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On the Precision screen, the operator can view the following information: • A list of the precision files that are created on the system • Results for a precision file. • Enable or disable the automatic time adjustment for Daylight Saving Time. Backup/Restore screen, page 245 Perform a manual backup Required materials External media (USB flash drive or an external hard drive) Required instrument status for the SCC. The not reach the bottom sample was not aspirated. • Display the Help for the active screen, flyout, or message code. Aspiration probe did The system did not detect the tube bottom before sample not reach the bottom aspiration. Function buttons: Provide access to functions associated with the active screen. As a usual practice, evaluate all bar code labels according to this methodology. The user can read the printed SID. L/R Block Displays the following options to select the incubation blocks: • Left • Right • Both ACC Displays a check box that is used to disable or enable a run to be included in the statistics summary. Collect data from a minimum of 20 batches of 20 specimens each for a minimum total of 400 specimens. On the Home screen on the SCC, tap Exit. 563 Batteries... Sex Displays the sex of patient. • Only authorized users should have access to the system because the system may contain protected health information (PHI) or sensitive data. Under Stain protocol from the Protocol from the Protocol drop-down list. • Access the printer queue. On the SCC, the operator can perform the following functions: • Monitor module status and performance. After the new printer is added, the printer must be verified before it is available to print a report or document. Optical flow cell subsystem (Alinity hq) The optical flow cell is a uniquely designed flow-through chamber with a flared cone-shaped bottom and a central rectangular opening. The menu bar on the SCC provides these icons: - Home - Sample Tracking - Orders - Results - QC - CAL - Reagents - Supplies Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Use or function Alinity system software overview Section 1 System button: Displays a menu of commands. Pausing Indicates that the module is preparing to transition to Idle status after an automatic pause command or a user pause command. Use of data: AbbottLink is intended to transmit connected systems operational data, which may be used by Abbott, and third parties providing related services and products, for troubleshooting, complaint investigation, performance ment. usage analytics, billing and other related purp poses. The sample dilutions are sequentially injected into the optical flow cell through the nozzle assembly in the following order: a. The SCC retains the information that is associated with a re number of remaining tests. advanced MAPSS See advanced multi-angle polarized scatter separation, page 905. The operator can perform the following functions: • Accept or reject a precision result record. Processing Error (Valve) An error occurred with one or more valves during sample processing. For WBC, the assay classification is based on ALL IAS, PSS, DSS, and FL1. 297 Principles of operation Principles of operation (Alinity hq) Section 3 WBC Injection Pump Error A step loss error occurred with the WBC injecting Error A step loss error occurred with the about potential system problems or sample results that may require further review or action. RETIC Interpretive Results area Displays the RETIC parameters that can be added for high and low flagging of results. Printers screen, page 130 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 135 Installation procedures and special requirements System configuration Section 2 Change the default printer. Maintenance scheduler, page 587 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 241 Installation procedures and special requirements Configure screen (LUI) Section 2 Configure screen on the LUI. Red One or more reagents has a status of Expired or Empty. Last Updated Displays the date and time that the files in the folder were last updated. Home screen, page 359 Host Connection Status flyout element descriptions, page 377 Descriptions of host connection statuses, page 378 Cancel pending transmissions, page 379 Host Connection Status flyout element descriptions of host connection information AbbottLink Connection Status flyout, page 383 384 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Operating instructions Reagent inventory management The system software monitors the usage and levels of the reagent inventory. On the Parameters tab, type the values for the following information: - Patient Limit Lower - Patient Limit Upper - Delta Check Absolute - Delta Check % - Panic Range Upper 9. On the Edit Modules screen, edit any of the following module settings: - Name - Description - Retic test enabled on next cycle power (only for Alinity hq modules when the instrument status is not Offline) NOTE: Before enabling or disabling the Retic test for a module, ensure that there are no transports pending from or to the module. Do not eat food from a questionable source or third party software may include open source or third party software may include open source. accessed on the Utilities screen. The values for upper limit, mean, and lower limit reflect the setup values entered for non-optical graphs. axial light loss (ALL) An optical signal that is measured at the ALL detector. On the Edit QC File screen, tap Inactive in the Category area. The values must be within the lower and upper limits of the following table Custom Stain Protocol Limits Specimen type Smear fix Stain Buffer bath Lower limit Whole Blood 15 seconds 1800 seconds 1 Create File screen element descriptions On the Create File screen, the operator can create a new precision file. Elements button Name The Previously selected folder. Book icon (open): Indicates that a list of subtopics is expanded 3. On the System Status bar of the Home screen, tap Host The number of alert messages in the Alert Center displays next to the alert badge. 1. Parameter Displays a list of the following RETIC • %R • IRF < Lower Limit Interpretive Result Displays a check box that is used to enable or disable the lower limit flag for the selected parameter. The maximum label width is 31.8 mm (1.25 in). When the laser light interacts with the stained cells, the dyes fluoresce at a longer wavelength than the laser wavelength than the laser wavelength. • Specify the location for the automatic backup. Utilities screen, page 243 Print flyout, page 505 266 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Installation procedures and special requirements Utilities screen (LUI) Section 2 Utilities screen (LUI) The operator can perform the following tasks from the Utilities screen on the LUI: General View the version data information. Sender Channel Ping Test Displays one of the following tasks from the Utilities screen (LUI) The operator can perform the following tasks from the Utilities screen (LUI) Section 2 Utilities screen (LUI) The operator can perform the following tasks from the Utilities screen (LUI) The operator can perform the following tasks from the Utilities screen (LUI) Section 2 Utilities screen (LUI) The operator can perform the following tasks from the Utilities screen (LUI) The operator can perform the following tasks from the Utilities screen (LUI) The operator can perform the following tasks from the Utilities screen (LUI) The operator can perform the following tasks from the Utilities screen (LUI) The operator can perform the following tasks from the Utilities screen (LUI) The operator can perform the following tasks from the Utilities screen (LUI) The operator can perform the following tasks from the Utilities screen (LUI) The operator can perform the following tasks from the Utilities screen (LUI) The operator can perform the following tasks from the Utilities screen (LUI) The operator can perform the following tasks from the Utilities screen (LUI) The operator can perform tasks from the Utilities screen (LUI) The operator can perform tasks from the Utilities
screen (LUI) The operator can perform tasks from Displays one of the following statuses for the port test: • Not Performed • Passed • Failed 172 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Installation procedures and special requirements System configuration Section 2 HL7 Message Test Verifies that the middleware or HL7 host can receive or send messages between the SCC and the HL7 host. IMPORTANT: The quality of stained smears that are produced by custom stain protocols must be validated by the laboratory. NEU ALL mean Displays the mean NEU ALL mean Displays the mean NEU ALL optical signal. Lanes A, B, and C Lanes 1 through 8 Lanes D, E, and F Related information... UPS Resettable fuse: • 12A for the Alinity hq • 12A for the Alinity hq • 12A for the SCC • 12A for the Alinity hq • 12A for the Alinity hq • 12A for the SCC • 12A for the Alinity hq • 12A for t for the Alinity hs Printers Internal fuses only. Tap Edit Modules. Section 2 Under Auto-Transmit Options, tap an option for each of the following settings: - Non-Alerted Patient Results - Alerted Patient Results - Precision Results - Results - Alerted Patient Results - Result Contents, Index, Glossary, or Search tab. The term depolarized is used because the laser light that originates as vertically polarized changes as a result of the scattering and a small portion becomes horizontally oriented. The slide carrier is then loaded with slides that are requested for either smear and stain tests or smear tests only. Empty Reagent Bottles. Required accessories, page 106 110 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Section 1 Use or function Required accessories Slide carrier rack (Alinity hs) Slide carrier racks are accessories that hold a maximum of four slide carriers. For the Alinity hq, the Supplies Status screen displays whether or not a waste container is being used and the fill level of the waste container that is used. • Configure sender channels. Runs on L Block Displays the number of runs on the left incubation block. Tap a subtype in the Subtype drop-down list. On the system, the WBC Reagent and the Retic Reagent contain dyes that fluoresce at a wavelength band centered at 530 nm when the dyes interact with the 488 nm laser light. Sample bar code label requirements, page 335 Specimen identification, page 442 SID length The following factors affect the number of characters that can fit on a sample bar code label: • Sample bar code label length • Sample bar code label placement • Symbology • Density Alinity h-series Operations Specifications and requirements Section 4 • Ratio • Quiet zone For the Alinity h-series, between 3 through 20 data characters are permitted on the sample bar code label. Smears the drop into a monolayer on the slide. All rights are reserved. Operations manual description, page 30 Navigation pane The navigation functionality. PLT tab PLT Displays graphical data for the platelet cell count per volume. Disabled Communication with the host is disabled because the operator disabled the connection or the send message queue is full. 7-Zip copyright © 1999-2017 Igor Pavlov Related information... To set the WBC count values to apply the rule, enter the Condition WBC value, or use the Up Arrow button or the Down Arrow button. When a confirmation message is displayed, tap Continue. Additionally, there are three customizable protocols for each stain. Demographics area Each element has a check box that is used to select the parameter. 545 Requirements for handling the consumables. NEU DSS mean Displays graphical data for the mean NEU DSS optical signal. Data shown in sample printouts and screens do not reflect actual patient names or test results. For closed-tube racks, the .546 Requirements for use tube ID is a position from 1 through 10. Table 35: Characteristics of bar code symbologies for the Alinity h-series Minimum characters for system Bar code symbology Elements: 5 bars and 4 spaces. Precision file Required materials USB flash drive Perform this procedure to export a precision file. CLSI See Clinical and Laboratory Standards Institute, page 905. During the installation, the representative performs that is used to enter the port number. Beam-shaping optics direct and shape the laser beam to focus it on the sample stream in the center of the optical flow cell. NOTE: If the Rules on Host or the No Rules option is selected, Leukopenia Smear Case 2 are not available to configure. RBC (0.01 to 8.00) x 1012 cells per liter 0.00 to 999. Figure 64: Light scatter signals 282 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Section 3 Principles of operation (Alinity hq) Axial light loss (ALL) is a measurement of the reduction of forward light as a cell in the sample fluid stream passes through a laser beam. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 03 167 Installation procedures and special requirements System configuration Section 2 Save Saves changes. Element Tab Name Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Displays a text box that is used to edit the name of the tab. NOTE: The contrast between the bars and the background label must be the maximum contrast United States. WPS See water purification system, page 907. Tap Run. Enable Resets the host communication interface. %L Displays the percentage of lymphocyte. IP Displays the percentage of lymphocyt which supplies WBC Reagent for sample preparation. The Moving Average programs on the system use the following categories of numerical settings: • Upper and lower acceptance limits: These limits determine which patient results are used in moving average analysis. No part of this media may be reproduced, stored, retrieved, or transmitted in any form or by any means without the prior written permission of Abbott Laboratories. • Configure the daily backup time. Parameter Reference Values area Module Displays a text box that is used to enter the time for the buffer wash bath for the selected stain protocol. 320 Alinity h-series Operations Module Fuse rating Alinity hq Internal fuses only. This section includes the following specifications: • the following specifications and requirements Section 4 Table 15: Fuse specifications and Fuse specifications an Operational specifications • Power specifications • Performance specificat the text in the displayed report, tap the Text Size button. Edit QC File screen (Alinity hq), page 874 Inactivate a QC file (Alinity hq), page 874 Inactivate a QC file (Alinity hq), page 874 Inactivate a QC file screen, enter the new data. However, in most cases, the precision check is run on both incubation blocks. You're Reading a Free Preview Pages 266 to 285 are not shown in this preview. • Although Alinity systems incorporate cybersecurity risk mitigation controls relating to network that adheres to best practices from a network security perspective to prevent unauthorized access to data transmission between the Alinity system and external systems, such as a printer or host. Utilities screen (LUI), page 267 Version Data screen (LUI) element descriptions, page 267 Version Data screen (LUI), page 267 Ver reference 1. No Personal Data is transferred or accessed for company use. Module (Alinity hs), page 65 Drawers (Alinity hs), page 65 Drawers on the front of the Alinity hs) and a location for the waste container. 843 QC screen (Alinity hs) Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Section 2 Installation procedures and special requirements System configuration Subtype of the test. 1st Shortcut Displays the configured icon and a drop-down list that is used to select an icon. control Material that has a known concentration of a specific analyte. Statuses are indicated by the following colors: Green The reagent status is OK. LYM IAS1 mean LYM IAS1 mean LYM IAS1 mean LYM IAS1 signal at the detector. %rP: % Reticulated Platelet Displays the mean LYM IAS1 mean Displays the mean Displays the mean LYM IAS1 mean Displays the mean LYM IAS1 mean Displays the mean Displays QC scheduler (Alinity ha). Tap Make Default. 86 Alert Center: Provides the Alert Center button, which displays a flyout of status indicators for system problems that require attention. Orders icon Navigates to the Orders screen. Menu bar: Provides navigation elements and status indicators. Orders Retention area Auto Deletion After Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Displays the options for the number of hours to retain unprocessed orders: 143 Installation procedures and special requirements System configuration Section 2 • 24 Hours • 48 Hours (default) • 72 Hours User Definable Labels area User Definable 1 Displays a box that is used to enter the first label defined by the laboratory. To create an additional QC file, repeat steps 1, page 873. Configure screen, General tab, page 115 User Profile screen element descriptions, page 126 Configure a personal display theme, page 127 Change a personal user PIN, page 128 User Profile screen element descriptions On the User Profile screen, the operator can change the user PIN and the displays graphical data for the mean RETIC PSS optical signal. Four different IAS measurements are performed by the outer detector on the detection block of the forward light scatter assembly (IAS, IAS1, IAS2 and IAS3). After aspiration, returns the open-tube rack to the original lane Alinity h-series hardware overview Section 1 Figure 29: Sample handler robot (Alinity hs) Legend: 1. Utilities screen, page 243 Version Data screen element descriptions, page 244 View the version data, page 244 View the version Data screen displays the software tab of the Version Data screen displays the software tab of the Version Data screen displays the software tab of the Version Data screen displays the software tab of the Version Data screen displays the software tab of the Version Data screen displays the software tab of the Version Data screen displays the software tab of the
Version Data screen displays the software tab of the Version Data screen displays the software tab of the Version Data screen displays the software tab of the Version Data screen displays the software tab of the Version Data screen displays the software tab of the Version Data screen displays the software tab of the Version Data screen displays the software tab of the Version Data screen displays the software tab of the Version Data screen displays the software tab of the Version Data screen displays the software tab of the Version Data screen displays the software tab of the Version Data screen displays the software tab of the Version Data screen displays the software tab of the Version Data screen displays the software tab of the Version Data screen displays the software tab of the Version Data screen displays the software tab of the Version Data screen displays the software tab of the Version Data screen displays the software tab of the Version Data screen displays the software tab of the Version Data screen displays edits can be deleted by tapping the Continue button. Tap the test from the Test drop-down list. The diluted sample enters the optical flow cell at a lower speed than the sheath fluid. • Maintains the WBC integrity and morphology during the measurement. that data can be collected for use in troubleshooting. When a rack is loaded on the module, the status transitions from Running to Processing. Tap the + Done button. Multiple measurements of each cell are performed simultaneously by the collection subsystem. 275 Data analysis and presentation (Alinity 285 Conventions for parameter reporting (Alinity hq). ... The Alinity hq module analyzes whole blood for blood parameters and the Alinity hs module processes whole blood to smear and stain or stain slides in preparation for microscopy. 101 Required hq). . Lifts closed-tube racks and LAS racks to the conveyor for transfer to an Alinity hs module for reflex testing. Demographics area Each element has a check box that is used to select the demographic. 228 To add accessories the displayed time to the Scheduled Times list, tap Add. IMPORTANT: All waste produced by the Alinity hs must be disposed of in accordance with local, state, and national regulations. Level Displays the following check boxes that are used to select the access level: • General • Supervisor • Administrator Status Displays the following check boxes that are used to select the access level: • General • Supervisor • Administrator Status Displays the following check boxes that are used to select the access level: • General • Supervisor • Administrator Status Displays the following check boxes that are used to select the access level: • General • Supervisor • Administrator Status Displays the following check boxes that are used to select the access level: • General • Supervisor • Administrator Status Displays the following check boxes that are used to select the access level: • General • Supervisor • Administrator Status Displays the following check boxes that are used to select the access level: • General • Supervisor • Administrator Status Displays the following check boxes that are used to select the access level: • General • Supervisor • Administrator Status Displays the following check boxes that are used to select the access level: • General • Supervisor • Administrator Status Displays the following check boxes that are used to select the access level: • General • Supervisor • Administrator Status Displays the following check boxes that are used to select the access level: • General • Supervisor • Administrator Status Displays the following check boxes that are used to select the access level: • General • Supervisor • Administrator Status Displays the following check boxes that are used to select the access level: • General • Supervisor • Administrator Status Displays the following check boxes that are used to select the access level: • General • Supervisor • Administrator Status Displays the following check boxes that are used to select the access level: • General • General • General • General • General • Gener are used to select the user's status: • Active • Inactive Created From Displays a box that is used to enter a created from date. 380 Rack Transport Status flyout. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Installation procedures and special requirements System configuration Section 2 Text Size This function button is unavailable on this screen. The IAS1 channel measures the hemoglobin concentration of a red cell. Absorption measurements (Alinity hq), page 289 Data analysis for absorption measurements (Alinity hq), page 289 Data analysis and presentation (Alinity hq) The Alinity hq processes raw data from optical and absorbance measurements to obtain numerical and graphical results. This element is only available when the host communication interface is HL7. In the list of flags on the Morphology Flags tab, tap the corresponding check box in the Delta Check column for one or more flags. Navigation pane, page 31 Search tab is an element in the navigation pane that displays a list of search results. Data flags (Alinity hq), page 299 Morphology flags are displayed for a specific parameters if the system's evaluation of measurement data indicates the potential presence of an abnormal or immature subpopulation, or interfering substances The status of the system maintenance is indicated by the following colors: 373 Operating instructions Home screen QC Status button Section 5 Green All required maintenance procedures have been performed. Alinity h-series Operating instructions Home screen Section 5 Red AbbottLink button Communication is unavailable. 249 Installation procedures and special requirements Utilities screen Section 2 Export Initiates the process to export a precision file. The button is unavailable until messages are waiting to be transmitted. Operations manual use, page 38 Page through the content Perform this procedure to move through a sequence of topics similar to the turning of pages of a book. • Manage the reflex and retesting of samples. Probe Obstruction was detected in the aspiration probe. RBC/PLT analysis 1. NOTE: The module does not operate unless one bottle of each reagent type is inserted and the expiration date is confirmed. On the Limit/Delta Check screen, tap Edit. • Configure rules on host settings. SI Displays a button that is used to apply the International System of Units (SI) unit format to all whole blood parameters. Moving Average programs (Alinity hg), page 887 Current Batch screen (Alinity hq), page 890 Sealed Batches screen (Alinity hq), page 894 Levey-Jennings (MA) screen (Alinity hq), page 899 Current Batch screen, the operator can view the following current batch horte: • Data for each run in the current batch screen, the operator can view the following current batch batc displayed for the current batch. The graph for each parameter shows separate data points for the left incubation block and the right incubation block. 588 Decontamination... . Alinity h-series Operations Manual 80000023-107 - 2019-09-03 891 Quality control (Alinity hq) Moving Average programs (Alinity hq) Section 11 %IG Displays the percentage of immature granulocyte. Tap the Morphology Flags tab. These characteristics can be inferred by measuring light scatter at certain ranges of angles relative to the laser beam. Manual QC processing A notification displays at the scheduled times to inform the operator that QC is due to be run. Rename Tab Displays the Rename Tab flyout. The Alinity hs module is configured with the May-Grünwald-Giemsa stain or the Wright-Giemsa stain or the Wright-Giemsa stain. On the Results tab of the Configure dwith the May-Grünwald-Giemsa stain or the Wright-Giemsa stain levels: General, Supervisor, and Administrator. A brown line is displayed for the results from the right incubation block. fluorescence This scatterplot originates RETICs (green) from mature RBC (red) based on staining of residual RNA found in RETICs. Platelets (yellow), and reticulated platelets (blue) which are FL1 positive, are shown to the left. 267 Version Data screen (LUI)... ...267 Principles of operation... A maximum of four graphs can be selected for the Reportable Results Report out of the 54 available. This graph is derived from Shewhart control charts and is useful for trend analysis. Precision screen, page 248 Edit File screen element descriptions, page 255 Delete a precision file, page 255 Delete a precision file, page 256 Edit File screen, the operator can edit a precision file. On the Precision screen, tap Create File. To close the flyout, tap Done. advanced multi-angle polarized scatter separation Technology that is used to classify the WBC subpopulations and provide morphological flagging. Create Backup Displays the Create Backup flyout. 571 Tripping hazards.. To delete the edits to the general settings, tap 109 Slide carrier (Alinity hs). Moving Average Navigates to the Current Batch screen. The default is 01:00 A.M. Automatic Backup Location Displays a text box that is used to enter the location for Cancel. 108 Glass slide holder (Alinity hs). system automatic backups to be copied to removable media. For measurands values above the threshold values in the table, the test will PASS • If the average % difference between the reference and test values for each measurand exceeds the % value indicated in the table, the test will FAIL For measurands values: • If the average absolute difference between the reference and test values for each measurand is less or equal to the absolute bias value indicated in the table, the test will FAIL NOTE: The Specimen Stability (Alinity hq) Bias Limits table applies to both room temperature (15°C - 30°C) and refrigerated (2°C - 10°C) temperature. The smears made by the module are positioned in the slide carrier by the module are positioned in the slide carrier loader. It is recommended that each laboratory
establish its own expected reference values based on the laboratory's patient population. Diluent Displays the lot number of the diluent used to process the sample. Elements Flag 204 Displays all morphology flags that are available on the Alinity hq module. LYM FL1 mean Displays the mean LYM FL1 mean Displays the mean LYM FL1 fluorescent signal. Create a carryover file. On the menu bar, tap QC. On the System Control Center tab of the Configure screen, tap Audio Settings. System cycle power, start, pause, and stop, page 346 Expedite the removal of a slide carrier rack (Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Operations System cycle power, start, pause, and stop Section 5 Perform this procedure to transition the instrument status of the module from Idle to Processing. The Summary tab is also available on the Reagents screen. Tap OK. In the upper-right corner, tap the Abbott A button USB flash drive. Status of the volume that remains in the container: OK, Low, or Empty. Figure 33: LUI layout Legend: 1. In the navigation pane, tap the Glossary tab. Red triangle One or more supply items are empty or expired, or the waste container is full. 310 Smear fix bath: Fixes the smear Alinity h-series Operation (Alinity hs) Section 3 3. NOTE: This element is displayed only when Parameter is selected in the Criteria drop-down list and Outside or the less-than sign () is selected in the Operator drop-down list. Specifications and requirements, page 318 Environmental specifications and requirements, and the noise level and heat output that can be expected during normal operation. Your PIN Displays a text box to enter the current four-digit PIN of the following steps to change the column settings: - Tap the check box for a demographic to display the demographic as a column. Max Days Betwee Records Displays a spin box that shows the configured number of days. The factory-set stain protocols 1 through 9 and WG Protocols 1 through 4. The port number range is from 0 through 65535. Age Range To Displays two spin boxes that are used to enter the years and days of the upper age range of the patient limit set group. The modules determine the system configuration. 305 Principles of operation Principles of operation (Alinity hs) Section 3 Figure 77: Closed-tube processing The operator premixes a specimen tube and removes the cap. The cap piercer pierces the tube cap to open a path for the aspiration probe. System Information area Displays the current statuses of tests in process on the system. On the System Control Center tab of the Configure screen, tap Automatic Backup. (0.92 to 5400) x 109 cells per liter 0.00 to 9999 MPV 5.06 fL to 13.5 fL 0.00 to 9999. When only liquid is present in the laser beam path, almost all laser light reaches the forward light detector. Lifts the rack to the removal position in the lane after the closed-tube processing for the following information: - Patient Limit Lower - Patient Limit Lower - Delta Check % - Panic Range Lower - Panic Range Upper NOTE: The maximum limit for Delta Check % is the same maximum limit as Delta Check Absolute and Patient Limit Upper. On the QC screen, tap QC Files. Tap Start on each module. Users screen, page 117 Edit a user Operator access level System administrator Perform this procedure to edit the first name, the last name, the access level of a user, and the status. For example, the IAS2 detector is made to measure the size of the RBCs. The size of platelets is measured by using IAS1. Elements Module bar Displays a button with the module number of the configured module. As an alternative step, tap the Help button at the top of the active screen. Red A limit or Westgard failure has occurred or the control is more than 30 minutes overdue of the scheduled time. Supply Status button Navigates to the Current tab on the Supplies screen for the module. Install/Uninstall Procedures screen, page 235 Descriptions of screen elements, page 81 Install procedure files Operator access level Supervisor Perform this procedure to install maintenance and diagnostics procedure files. General Settings screen, page 159 Cycle power to the system, page 346 Audio Settings screen, the operator can adjust the volume level of the audible notifications and view the configured notification settings for remaining tests for reagents. 843 QC Files screen (Alinity hg).. .. The algorithm expects that the count rate is constant during the time of measurement. Comment Displays a text box that is used to edit comments for the precision file. Lifts the open-tube rack to the open-tube sampling station 2. Tap the Parameters tab. Reagents screen, page 385 Descriptions of screen elements, page 81 Reagents screen, Summary tab, Search flyout element descriptions In the Search flyout on the Summary tab of the Reagents screen, the operator can enter specific information that is used to filter the data on the screen. Performed Alinity h-series Operations Manual 80000023-107 - 2019-09-03 175 Installation procedures and special requirements System configuration Section 2 • Passed • Failed Link Test Displays one of the following statuses for the link test: • Not Performed • Passed • Failed Function buttons Done Saves changes and either displays the previously viewed screen or closes the flyout. An operator to log on to the system software and use the system. Patient Rules • Enable or disable patient rules on the SCC or host. Type Displays the type of the selected procedure. Tap Done. Verified User Displays the identification of the operator who verified the printer operation. 5. Unit Format screen, page 81 Configure a unit format screen, page 148 Descriptions of screen elements, page 81 Configure a unit format to report whole blood specimens. On the Log On screen, enter the status and PIN of the operator to display the Home screen. Installation procedures and special requirements, page 243 Backup/Restore screen, page 245 Precision screen, page 248 Carryover screen, page 259 View or print the Licenses Report, page 265 Version Data screen On the Version Data screen, the operator can view the following information: • Component name • Version number • Build date and time NOTE: The Current Software tab provides the SCC software version. Procedure Map button: Provides access to tasks and procedures that are grouped by categories Sample processing: Provides access to procedures used to review quality control data and to print quality control reports Manage data: Provides access to procedures used to manage system data Help on Help: Provides access to procedures that describe how to use the operations manual Maintenance, to approve maintenance logs, and to print reports Alinity h-series Operations Manual 80000023-107 - 2019-09-03 45 Procedure map description 7. On the QC Files screen, tap the row for the OC file to inactivate. Reflex rules are available only when the system is configured with an Alinity hs. 78 mm 50 mm 41 mm 339 Performance characteristics and specifications and requirements, page 318 Operating environmental requirements, page 323 Waste specifications and requirements, page 323 Operating environmental requirements Table 20: Operating environmental requirements, page 324 O humidity 20% to 85% (noncondensing) Placement Only for indoor use Altitude 30.8 m (100 ft) below sea level to 2590.8 m (8500 ft) above sea level t two categories of these flags: • Limit set flags • Calculation and display status flags Related information... In the HGB incubation cup, 2200 µL of HGB Reagent is added to the sample for a final dilution of 1:200. Figure 20: Lower reagent drawer (Alinity hq) Related information... To close the manual, tap the Close button between . The following list describes the default menu commands: Create QC File Navigates to the Create QC File screen. Displays the overall reagent status for all system modules. Under Automatic Backup Options on the Automatic Backup Screen, tap the Automati outside the acceptable range or was unable to be configured correctly. Order Origin Displays one of the following origins of the order: • Host • SCC 188 Physician Displays the requesting physician. The instrument status is indicated by the following colors: Green The instrument status of the module is Running or Processing. If a checksum function is enabled when a bar code label (Code 39, Codabar, or Interleaved 2 of 5) is printed, a checksum character is added to the label. Save/Next Saves the new user and clears the screen to accept a different new user. %E Displays graphical data for the percentage of eosinophil. NEU DSS mean Displays the mean NEU DSS optical signal. 220 L/R Block Displays the block used to run the test. If the appropriate operator logon button is not displayed, perform the following steps: 3. NEU IAS mean Displays the mean NEU IAS mean Displays the mean NEU IAS optical signal. Quality control (Alinity hq), page 839 904 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Glossary AbbottLink A data-sharing software between laboratory instrumentation and Abbott internal systems that collects and transmits instrument data. Open Tube icon Navigates to the Open Tube icon Navigates to the Open Tube screen. If the two reports do not contain the same information, the printer is not verified. and time zone. Depolarized side scatter (DSS) Depolarized side scatter (DSS) is side-scattered light that has become depolarized by a cell during the scattering process. Sample handler robot: Transports specimen tubes and carrier racks throughout a module and transports racks to the open-tube sampling position and conveyor. Data flags can also be the downstream effect of morphological flags. All samples passed the stated acceptance criteria. Enter a unique four-digit PIN. System Control Center (SCC) The following figure shows examples of the laboratory for reporting results outside of the AMR. On the Bar Codes screen, enter the bar code settings. Figure 42: Smear Fix Related information... The icon
is displayed when the specimen type is whole blood specimen for calibration... The icon is displayed when the specimen type is whole blood specimen ty Alinity h-series Operations Manual 80000023-107 - 2019-09-03 31 Operations manual description System documentation Figure 3: Navigation pane Related information... Operating instructions, page 345 Reagent Status screen, page 345 Reagent Status screen (LUI), page 392 Run a background count (Alinity hq LUI), page 445 Precalibration checks (Alinity hg), page 522 Reagents screen On the Reagents screen on the SCC, the operator can view the following information about the reagents on each module, including the location and the number of remaining tests. The supervisor can export the reagent summary log. Four operator logon buttons Display the identification of the last four operators who logged on to the system. The remaining 10 reference readings are averaged. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 359 Operating instructions Home screen (LUI) Related information... MCHr Displays the mean cell hemoglobin of the reticulocyte. Bar code symbol length is 41 mm (1.6 in). IMPORTANT signal word Advises the operator to comply with precautions or results. %M Displays the percentage of monocyte. Topics are identified by a Book icon or a Page icon. Critical message: Provides information about conditions or errors of system operation. Figure 81: Bar code symbol dimensions and label requirements Legend: 1. System Status bar provides system-monitoring information and status information for devices connected to the system. Slide icon The icon is displayed when the specimen type is an externally prepared smear (EPS). Module Displays the serial number of the selected module. Yellow The waste container is near capacity or one or more supplies are below the low threshold. Options Display a list of choices from which to select one item. For help with increasing the contrast, contact the bar code label supplier. Configure the system. The system software can be configured for automatic repeat testing. Run Date/Time Displays the date and time for each run. The operator can perform the following functions: • On • Off (default) Alerted Patient Results 166 Displays the following options: Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Installation procedures and special requirements System configuration Section 2 • On • Off (default) Background Results Displays the following options: • On • Off (default) Background Results Displays the following options: • On • Off (default) Background Results Displays the following options: • On • Off (default) Background Results Displays the following options: • On • Off (default) Background Results Displays the following options: • On • Off (default) Background Results Displays the following options: • On • Off (default) Background Results Displays the following options: • On • Off (default) Background Results Displays the following options: • On • Off (default) Background Results Displays the following options: • On • Off (default) Background Results Displays the following options: • On • Off (default) Background Results Displays the following options: • On • Off (default) Background Results Displays the following options: • On • Off (default) Background Results Displays the following options: • On • Off (default) Background Results Displays the following options: • On • Off (default) Background Results Displays the following options: • On • Off (default) Background Results Displays the following options: • On • Off (default) Background Results Displays the following options: • On • Off (default) Background Results Displays the following options: • On • Off (default) Background Results Displays the following options: • On • Off (default) Background Results Displays the following options: • On • Off (default) Background Results Displays the following options: • On • Off (default) Background Results Displays the following options: • On • Off (default) Background Results Displays the following Options: • On • Off (default) Background Results Displays the following Options: • On • Off (default) Background Results Displays the following Options: • On • Off (default) Background Results Displays the following Options: • On • Off following options: • On • Off (default) Calibration Results Displays the following options: • On • Off (default) NOTE: For ex-US customers only that have enabled RUO parameters: Include the RUO parameters and displays the following options: • On • Off (default) Calibration Results Displays the following options: • On • Off (default) NOTE: For ex-US customers only that have enabled RUO parameters: Include the RUO parameters and displays the following options: • On • Off (default) Calibration Results Displays the following options: • On • Off (default) Calibration Results Displays the following options: • On • Off (default) Calibration Results Displays the following options: • On • Off (default) Calibration Results Displays the following options: • On • Off (default) Calibration Results Displays the following options: • On • Off (default) Calibration Results Displays the following options: • On • Off (default) Calibration Results Displays the following options: • On • Off (default) Calibration Results Displays the following options: • On • Off (default) Calibration Results Displays the following options: • On • Off (default) Calibration Results Displays the following options: • On • Off (default) Calibration Results Displays the following options: • On • Off (default) Calibration Results Displays the following options: • On • Off (default) Calibration Results Displays the following options: • On • Off (default) Calibration Results Displays the following options: • On • Off (default) Calibration Results Displays the following options: • On • Off (default) Calibration Results Displays the following options: • On • Off (default) Calibration Results Displays the following options: • On • Off (default) Calibration Results Displays the following options: • On • Off (default) Calibration Results Displays the following options: • On • Off (default) Calibration Results Displays the following options: • On • Off (default) Calibration Results Displays the following options: • On • Off (default) Calibration Results Displays of wait timeout (Second) the reflex/retest order wait time-out. Waste Setup screen (Alinity hq), page 151 Descriptions of screen elements, page 81 Configure the waste setup Required instrument status Any status Operator access level Supervisor Perform this procedure to configure the waste outlet for all Alinity h-series modules in the system. White (steady) The reagent bottle is inserted and is full or in use. • Change the display position of a tab. Panic Range Lower Displays text boxes that are used to enter a lower panic range value for each parameter. Type the operator ID. For example, the Procedures icon provides access to screens to perform maintenance activities. The module transports each diluted sample through a specific flow path from the incubation cups, through the measurement subsystems, and out to external waste. This activity or area may expose you to potentially infectious material. Reference and statistics area N Displays the number of runs in the precision file. • View precision results. 234 8. Configure screen, System Control Center tab, page 158 Shortcuts screen element descriptions, page 179 Configure shortcuts screen, the operator can configure user-defined System menu commands as icons at the bottom of the SCC menu bar. 321 System . NOTE: If all Moving Average programs are disabled, the Moving Average program notifications on the SCC Home screen are displayed as green. The following elements are available: , + Done Four operator logon buttons Alinity h-series Operations Manual 80000023-107 clearances. 2019-09-03 The Plus button displays a box that is used to enter the operator ID. AbbottLink Connection Status flyout, page 383 Restart AbbottLink Perform this procedure to restart the AbbottLink Software on the user interface computer. Edit Printer Displays the Edit Printer Dis the operator needs to contact Customer Service. To display a definition in the topic pane, tap a glossary term. The Summary tab cannot be deleted. NOTE: Laser and ink-jet printers with resolutions that are less than 300 DPI and dot-matrix printers are not recommended to produce acceptable labels. • Configure printers. Slides Displays a box that is used to enter the number of slides for reflex testing case 2. In no event shall Abbott Laboratories or its affiliates be liable for any damages or losses incurred in connection with or arising from the use of the information by persons not fully trained by Abbott Laboratories. 305 Specimen-processing sequence (Alinity hs). The Alinity hs module uses three reagents: • Smear Fix • Phosphate Buffer 96 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Section 1 Use or function Required consumables • Stain solutions Related information... 882 QC notifications (Alinity .883 Evaluation of control results (Alinity hq).. 42 In the navigation pane, tap the Index tab. Displays Help from the operations manual for the active screen, flyout, or message code. Methyl hypochlorite has limited solubility and may separate out hq). as a new layer in the waste container. 98 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Section 1 Use or function Required consumables Figure 44: May-Grönwald-Giemsa stain Figure 45: Wright-Giemsa stain Related information... Performance specifications, page 326 Precalibration checks (Alinity hg), page 522 Specimen stability (Alinity hq) The stability of normal whole blood samples was evaluated. Update Target/Range area Target/Range options: • Target • Range • Both Source Displays the following options: • Target • Range • Both Source Displays the following options: • Target • Range • Both Source Displays the following options:
• Target • Range • Both Source Displays the following options: • Target • Range • target, range, or target and range. Configure screen, Quality Control tab, page 229 QC Settings screen element descriptions, page 227 Configure Westgard rules, page 229 QC Settings screen element descriptions comm Whole Blood Control tab, page 228 Configure Westgard rules, page 229 QC Settings screen element descriptions. and the Whole Blood Specimen tab display QC scheduler settings and Westgard rule settings that can be configured for quality control. On the specimen type is background. %L Displays graphical data for the percentage of lymphocyte. The following list provides

descriptions of system messages for the Alinity hs: Aspiration Time Exceeded The sample was not aspirated within 10 seconds of the end of resuspension. However, because more people throughout the world have access to clean water, the rate of infection has decreased in recent years, per WebMD. Sealed Batches screen (Alinity hg), page 894 Batches flyout element descriptions (Alinity hq) Elements button Folder name button The Previous Folder button navigates to the previously selected folder. DOB Displays the date of birth for patient sample. 523 Autocalibration (Alinity hq). 523 Manual calibration (Alinity PSS mean Displays the mean RETIC PSS optical signal. NOTE: To change the precision parameters displayed on the Precision Results screen, the operator must configure the QC result data views .540 Postcalibration (Alinity hg) parameters to be displayed on each tab. Test Displays a drop-down list that is used to select one of the following test types: • CBC+Diff+Retic: Complete blood count with differential and reticulocyte L/R Block Displays options for the left and the right incubation blocks: • Left (default) • CBC+Diff+Retic: Complete blood count with differential and reticulocyte L/R Block Displays options for the left and the right incubation blocks: • Left (default) • CBC+Diff+Retic: Complete blood count with differential and reticulocyte L/R Block Displays options for the left and the right incubation blocks: • Left (default) • CBC+Diff+Retic: Complete blood count with differential and reticulocyte L/R Block Displays options for the left and the right incubation blocks: • Left (default) • CBC+Diff+Retic: Complete blood count with differential and reticulocyte L/R Block Displays options for the left and the right incubation blocks: • Left (default) • CBC+Diff+Retic: Complete blood count with differential and reticulocyte L/R Block Displays options for the left and the right incubation blocks: • Left (default) • CBC+Diff+Retic: Complete blood count with differential and reticulocyte L/R Block Displays options for the left and the right incubation blocks: • Left (default) • CBC+Diff+Retic: Complete blood count with differential and reticulocyte L/R Block Displays options for the left and the right incubation blocks: • Left (default) • CBC+Diff+Retic: Complete blood count with differential and reticulocyte L/R Block Displays options for the left and the right incubation blocks: • Left (default) • CBC+Diff+Retic: Complete blood count with differential and reticulocyte L/R Block Displays options for the left and the right incubation blocks: • Left (default) • CBC+Diff+Retic: Complete blood count with differential and reticulocyte block Displays options for the left and the right incubation blocks: • Left (default) • CBC+Diff+Retic: Complete block Displays options for the left and the right incubation blocks: • Left (default) • CBC+ Right • Both Number of Runs Displays a spin box that is used to enter the number of runs to establish the precision file. 294 Alinity h-series Operation (Alinity hq) Section 3 • Parameter report units are operator configurable in any combination of SI, SI Modified, and USA units. Screen header: Provides the screen title, the system name, the Help button, the and time, and the software version. • Export files. In the Second Shortcut drop-down list, tap an icon name. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 187 Installation procedures and special requirements System configuration Section 2 Code Displays one or more single-character codes to indicate processing conditions. Read me first Disclaimers Read me first Disclaimers All samples (printouts, graphics, displays or screens, etc.) are for information and illustration purposes only and shall not be used for clinical or maintenance evaluations. 462 Specimen reflex testing (Alinity hs) 550 Hazards Load the bar-coded control tube in a closed-tube rack. 471 Load STAT Rack screen (LUI) element Drying station: Dries the stained smears. %N Displays graphical data for the percentage of neutrophil. You're Reading a Free Preview Pages 920 to 927 are not shown in this preview. 244 1. Figure 19: Upper reagent drawer (Alinity hg) Each bottle holder has a reagent status indicator that indicates the descriptions reagent status: Indicator off 60 The bottle holder is empty. The black ink used for bar codes must be compatible with the label stock used for bar codes must Search tab, page 35 Contents tab The Contents tab is an element in the navigation pane that displays the table of contents, which shows how information in the operations manual is organized. Printers screen, page 130 Reports screen, the system administrator can perform the following functions: • Configure the report header The button switches between and + Done. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 189 Installation procedures and special requirements System Control Center (SCC) The SCC is the primary user interface that is designed to display statuses, alerts, and notifications for the system. Save/Next Saves the calibration file and clears the second label defined by the laboratory. NOTE: For the hand-held bar code reader, the mi of characters for Interleaved 2 of 5 is 6. To save the settings and close the Auto Print flyout, tap Done. Alinity h-series Operation (Alinity hq) Section 3 Figure 75: IAS2 x IAS3 (RBC/PLT) ALL X FL1 (RETIC/PLT)*: Size vs. - Online Help Language - Log On Screen Time-out (Minute) 8. In the Printer Status/Queue flyout, view the print job. 512 Calibration materials (Alinity hg). . On the System Control Center tab of the Configure screen, tap Host Setup. Name Displays the name of the module. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 57 Use or function Alinity h-series hardware overview Section 1 Figure 17: Loading area (Alinity hq), page 270 Measurement technologies used to analyze whole blood specimens. Tap Print. All alphanumeric characters A through Z and 0 through 9. RBC Saturation** During sample acquisition, the capacity of the event storage buffer was exceeded. Alinity hq) QC files (Alinity hq) Section 11 Cancel Saturation** During sample acquisition, the capacity of the event storage buffer was exceeded. viewed screen or flyout, 559 Methanol . 880 1. Lanes D, E, and F are used for input of slide carrier racks. - An amber circle (notification) badge indicates module problems that require attention that is not immediate. LYM IAS mean Displays graphical data for the mean LYM IAS optical signal. Locate the main power switch. Alinity h-series Operations manual use System documentation 1. After the system has been installed, configure it to meet individual laboratory requirements Use one of two options: • Update from runs within the QC file. On the menu bar, tap System, and then tap Configure. NOTE: Each data point on the graph represents the batch mean for the sealed batch. NOTE: The file name can contain 1 to 20 alphanumeric characters and must be unique with a unique SID for active files. HL7 Communication screen, page 170 ASTM Communication screen On the ASTM Communication screen, the operator can view ASTM channel settings. In the Lookup Criteria flyout, tap a parameter option, and then tap a parameter name. LYM IAS3 mean Displays graphical data for the mean LYM IAS3 optical signal. 410 Supplies Status screen (Alinity hs Under Module on the Maintenance Scheduler screen, tap the module to schedule. To change the width of the manual, drag the left edge or the right edge. Receiver Channel area Port Number Displays the port number assigned by the system. comparison of the Alinity hq data to the respective comparator for each measurand. In the Limit/Delta Check flyout, tap a configure halt behavior screen element descriptions, page 184 Configure halt behavior screen, System Control Center tab, page 184 Configure halt behavior screen element descriptions, page 03 183 Installation procedures and special requirements System configuration Section 2 Halt Behavior screen element descriptions The Halt behavior screen element descriptions The Halt
behavior screen displays the halt behavior screen displays the halt behavior screen displays the halt behavior screen element descriptions. owners. Preliminary Evaluation of Quantitative Clinical Laboratory Measurement Procedures; Approved Guideline--Third Edition. Pages for the document in the printer queue. Runs on R Block Displays the number of runs on the right incubation block. The port number is not editable. uninterruptible power supply A component that provides a temporary, continuous flow of power to the user interface computer during a power failure, which helps the operator to save data as necessary and to perform a controlled shutdown procedure. - In the Repeat Every drop-down list, tap the day of the week to run weekly maintenance. 94 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Section 1 Use or function Required consumables Figure 39: WBC Reagent Related information... Function button Utilities screen. Tap the Whole Blood Specimen tab. You're Reading a Free Preview Page 916 is not shown in this preview. All waste containers must be labeled as biohazardous waste • Change the position of a tab. • Review the QC results from both modules using the same material to evaluate if the issue is module-specific. On the Results tab of the Configure screen, tap Limit/Delta Check. To display the animation in full-screen mode, tap the Full Screen toggle button. In the Host Connection Status flyout, tap one of the following Tap Enable to enable to enable to enable the host connection. Amber and green (both blinking) An error has occurred. To save the edits to the QC file and return to the QC fil second line of text on the upper left side of the report. Performance cannot be guaranteed when non-Abbott glass slides are used. 202 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Installation procedures and special requirements System configuration Section 2 Elements Parameter Displays all reportable parameters. No Westgard failures or warnings for the module are present or the QC scheduler is disabled. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 211 Installation procedures and special requirements System configuration Section 2 c. Reagents (Alinity hq), page 91 Replace a reagent bottle in the upper reagent drawer by using the LUI, page 397 WBC Reagent (Alinity hg) Major functions of the WBC Reagent include: • Acts as the diluting fluid for the WBC measurement. In the Auto Print flyout, enter the following information: - To enable or disable the automatic printing, tap the Enable Auto Print check box. 840 Guidelines for control use (Alinity hg) Run Date/Time Displays the run date and time of the carryover file. Sample Tracking icon Navigates to the Sample Tracking screen. To add the printer, tap Done. System configuration is performed after system installation. 323 Computer and interface specifications.... .326 Specimen stability (Alinity hq).. RBC Injection Pump Error A step loss error occurred with the RBC injection pump during sample injection. Function buttons OK Saves changes and either displays the previously viewed screen or specifications closes the flyout. • Enable or disable the host connection. Apply Saves changes. The Alert Center at the top of this bar indicates when alerts and notifications. HGB Reagent pump, which supplies HGB Reagent for sample preparation. To display the topic content in the topic content in the topic pane, tap an index entry. Covers enclose and protect module components, and must be closed during system operation. Printer Status/Queue flyout, page 379 Delete a print job Perform IAS1 mean Displays graphical data for the mean RETIC IAS1 optical this procedure to delete a print job that is printing, is waiting to be printed, or has generated a print error. 507 6 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Table of contents Print a screen image. signal. On the Carryover screen, tap New Carryover. To enter the scheduled time, use the system-configured format (HH:MM) and type the time in the box or tap the Up Arrow and Down Arrow buttons. Required accessories, page 106 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 111 Use or function Required accessories Section 1 NOTES 112 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Section 2 Installation procedures and special requirements Introduction For accurate test results and optimal system performance, the Alinity h-series must be correctly installed. 359 Home screen element descriptions. Basophil Displays the percentage of basophil. Delta Check % Displays text boxes that are used to enter a delta check percentage value for each parameter. SID Displays a text box that is used to edit the SID. A cell with a complex internal structure produces larger IAS signals than a cell with low complexity. 317 4 Alinity h-series Operations Manual ...318 Operational specifications. 80000023-107 - 2019-09-03 Table of contents Specifications and requirements. ...318 System capacities... . Search Displays the Search flyout. NOTE: The WPS does not circulate water to the Alinity hs module. 350 Pause the specification ...320 Physical specifications 351 Shut down the module module 350 Run the module 350 Stop the module. 351 Perform ar .353 Log On screen (LUI) element descriptions... emergency shutdown. .351 Log On screen 353 Log On screen element descriptions. . In rare cases when the sample volume is limited, 10 precision runs (the test minimum) may be performed. 874 Control analysis (Alinity hq)...... Pause Displays a message requesting confirmation to transition the status of the module from Running or Processing to Idle. System Serial Number Displays the serial number of the system control module. Select the SCC Data or Module Configuration to be backed up. Add 2 inches (51 mm) when calculating the system width. As each digit of the PIN is entered, each circle is shaded. 21 System documentation. 25 Organization of the operations 26 Conventions for the operations manual .28 Operations manual description Details screen and in printed reports, morphology flags are displayed on the right side of the affected result (for example, BLAST next to a MONO count). On the Parameters tab of the Edit Limit/Delta Check screen, the operator can edit the parameter settings for a patient limit set group. In the Printer Status/Queue flyout, perform one of the following options: - To delete one print job in the printer queue, tap the print job, and then tap Delete Selected. Result Summary Views screen, page 186 Rename a tab on the Results screen. Acceptance Criteria area Displays a table of acceptance criteria parameters for the specified Moving Average program. Alert Displays the alert that was delivered to the LAS connection. A multimodule system includes multiple modules in different combinations. Store the controls according to the manufacturer's documentation. Alinity high Internal fuses only. 602 Alert Center On the General tab of the Utilities screen, tap Version Data. Specifications and requirements, page 335 SID length, page 337 Sample bar code label guidelines, page 339 Sample tube bar code label guidelines Table 34: Bar flyout guidelines Component Printer type Description Use a printer with a minimum resolution of 300 dots per inch (DPI). Level Displays one of the following access levels: • General • Supervisor • Administrator Created On Displays the date and time that a user was created. On the QC Result Data Views screen, tap the tab to configure. • The code label system should be installed in a secure location. Water purification system (WPS) Purifies the laboratory water to provide ultra pure water to each Alinity h module in the Alinity h-series. 50 Primary components of an Alinity h-series...... .50 Alinity system software Operations manual use, page 38 Play an animation The animation toolbar plays, pauses, and stops animations. To return to the Printers screen without adding the printer, tap Cancel. b. The following 79 Descriptions of screen elements tabs are also available on the QC screen: • WBC • RBC/PLT • RETIC CAL icon Navigates to the Current Cal Factors tab on the Calibration screen. You're Reading a Free Preview Pages 855 to 874 are not shown in this preview. Operations manual description, page 30 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 37 Operations System documentation Operations manual use The operations manual is designed for quick access to information needed to: • Understand the concepts behind system operations manual is designed for quick access to information needed to: attempting to establish a connection with the host. Outside Analytical Measurement Range Indicates when the numerical result is outside of the tested AMR. The aspiration probe dispenses 11 µL of blood into the HGB incubation cup. Configure screen, System Control Center tab, page 158 LAS Communication screen element descriptions, page 177 Configure LAS communication screen element descriptions The LAS Communication screen element descriptions The LAS Communication screen displays the laboratory automation system. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 391 Operating instructions Reagent inventory management Section 5 1. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Quality control (Alinity hq) Moving Average programs (Alinity h-series Operations Manual 80000023-107 - 2019-09-03 9 Table of contents Principles of moving average analysis (Alinity RBC Displays the red blood cell count per volume. %N: % Neutrophil Displays the percentage of neutrophil. Alinity h-series hardware overview Section 1 Figure 15: Module cover Related information... System cycle power, start, pause, and stop, page 346 Log On screen, page 353 Home screen, page 443 Specimen processing (Alinity hg), page 446 Open-tube processing, page 427 Specimen analysis (Alinity hg), page 443 Specimen processing, page 446 Open-tube processing, page 446 Open-tube processing, page
441 Specimen analysis (Alinity hg), page 443 Specimen processing, page 445 Open-tube processing, page 445 Open-tube processing, page 446 Open-tube processing, page 445 Open-tube processing, page 445 Open-tube processing, page 446 Open-tube processing, page 446 Open-tube processing, page 441 Specimen analysis (Alinity hg), page 445 Open-tube processing, page 445 Open-tube processing, page 445 Open-tube processing, page 446 Open-tube processing, page 446 Open-tube processing, page 445 Open-tube processing, page 446 Open-tube pr 453 Closed-tube processing, page 462 Process a specimen as STAT, page 467 Lane Status screen (LUI), page 468 Lane Status screen (LUI), page 473 Results management, page 469 Load STAT Rack screen (LUI), page 467 Lane Status screen (LUI), page 469 Load STAT Rack screen (LUI), page 460 Load STAT Rack h-series Operations Manual 80000023-107 - 2019-09-03 345 Operating instructions System cycle power, start, pause, and stop Section 5 System cycle power, start, pause, and stop To perform certain tasks, the operator may need to transition the system and its components to a specific instrument status. Run Date/Time Displays the run date and time of a carryover run. To become familiar with safety icons on the instrument and in this manual that indicate potentially hazardous situations, review Hazards, page 553. 504 Print flyout... how to operate, maintain, and troubleshoot the system. On the Home screen on each LUI, tap Shutdown. • Enable or disable the Retic test the next time the power is cycled. • If two or more consecutive batches from a Moving Average program have a status of Out, the notifications are displayed as red for the module. 511 When to calibrate (Alinity Displays the communication status for the water purification system. System capacities, page 319 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 319 Performance characteristics and specifications Specifications and requirements Section 4 Power specifications Table 13: Power specifications Module Alinity hg Alini to 240 VAC ± 50 Hz or 60 Hz ± 10% 3 Hz 5.0 A 1000 W 100 VAC to 240 VAC ± 50 Hz or 60 Hz ± 3 Hz 12.0 A 1000 W 120 VAC to 240 VAC ± 50 Hz or 60 Hz ± 3 Hz 12.0 A 1000 W 120 VAC to 240 VAC t Hz or 60 Hz ± 3 Hz • • • 1000 VA 1000 VA 900 VA • • 10% 120 VAC ± 10% 220 VAC to 240 VAC ± 10% 600 W 600 W 540 W NOTE: Refer to the country-specific power specifications. BASO: Basophil Displays the basophil count per volume. 142 Specimen Type Displays the specimen type for the selected stain protocol. To save the edits to the interpretive result settings and return to the Configure screen, tap Done. Save Saves changes. The navigation pane contains the table of contents (TOC). In the expandable list of related tasks for the category, tap a task with a Right Arrow button . • Primes the hemoglobin tubing. 210 Alinity h-series Operations Manual 80000023-107 - 2019-09 03 Installation procedures and special requirements System configuration Section 2 7. Modules have the following instrument statuses: Offline Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Indicates that the module is not connected to the SCC, has failed to communicate with the SCC, or is ready to power off. Last Name Displays a text box that is used to enter the last name of the user. The laminar flow prevents any mixing between the liquid sheath and the diluted sample. The bar code enables the SCC to retain information, including the number of tests remaining. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 349 Operating instructions System cycle power start, pause, and stop Section 5 Related information... • Adequate amounts of reagents are present on the system to power off and initialize the modules. The dilution is mixed and incubated. The limits are set widely to exclude only grossly abnormal specimens. To save the QC file, tap Save/Next. 413 Audible Notification area Audio Alerts Displays the options that are used to configure all audio alerts on the system: • Enabled Alinity h-series Operations Manual 80000023-107 - 2019-09-03 163 Installation procedures and special requirements System Orders configuration Section 2 • Disabled Alert Volume Level Displays a slider that is used to adjust the volume of critical level audio alerts from 0 through 10. To edit the rule, perform the following steps: a. Open Lanes Displays the number of lanes open. Transports the tube to the escalator and cap piercer 3. Figure 5: Index tab Related information. Operations manual use, page 38 Use breadcrumbs to access a topic in a breadcrumb trail. Under Report Tab drop-down list, tap a graph to display. • Restore a previous backup. For more information, see the product documentation. 115 Ouiet zone Minimum guiet zone distance is 5 mm (0.2 in.). • Shut down the computer. To delete the column settings for other tabs, repeat steps 4, page 194 through 6, page 194. Cells in the sample stream interact with the Configure screen General tab laser beam, and scattered light is measured. The range for each number is from 0 through 255 and is separated by periods (supports the IPv4 address). Before the system software overview, page 79 Required consumables, page 91 Required accessories, page 106 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 49 Use or function Alinity h-series family of analyzers, multiple modules can perform all sample-processing activities and can be physically joined to form one workstation or system. Home screen, page 359 376 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Operating instructions Home screen Section 5 Host Connection Status flyout. In the Host Connection Status flyout In the Host Connection Statu the instrument status from Stopped to Idle. Slides Displays a box that is used to enter the number of slides for reflex testing case 1. Tap Edit User. In the Automatic Backup: a. The button is displayed only when the system is configured for a laboratory to disable the host connection. MSH-5 Receiving Application Displays a text box that is used to enter the MSH-5 Receiving Application for HL7 host messaging for a maximum of 20 alphanumeric characters. The operator can perform the following functions: • Search for a specific reagent. Lifts LAS racks to the conveyor when requested back by the interface module. Local user interface (LUI) The LUI is designed to display reagent and supply statuses, recent specimen test runs, alerts, and notifications for the module. Returns the tube to the rack 4. On the Result Summary Views screen, tap the tab to configure. Function buttons 388 Search Displays the Search flyout. Blast BLAST Indicates the of blast cells. NOTE: If Module Configuration is selected, choose a module by serial number or name from the drop-down list. On the Configure screen, tap the Results tab. Configure screen, System Control Center tab, page 158 HL7 Communication screen, tap the Results tab. element descriptions, page 172 Configure HL7 communication screen, the operator can configure the host communications settings for the system. 353 Operating instructions Log On screen Section 5 Four circles Indicate the entry of the four-digit PIN. To perform absorption spectrophotometry, the system uses the hemoglobin dilution as the sample and a hemoglobin dilution d 03 Performance characteristics and specifications Specifications Specifications and requirements Section 4 Specimen tube dimensions Table 37: Recommended collection tube dimensions Processing mode Without cap Standard 11 mm to 15 mm 47 mm to 78 mm N/A Open-tube Without cap Pediatric 8 mm to 11 mm 29 mm to 50 mm N/A Closed-tube With cap Standard 11 mm to 13 mm 83.5 mm 65 mm to 78 mm IMPORTANT: For closed-tube processing, measure the tube and cap length to determine if the tube type can be used on the Alinity h-series. Module (Alinity hq), page 54 Incubation cups (Alinity hq) Incubation cups are used to mix sample aliquots with reagents in preparation for analysis. A photodetector measures the amount of light that passes through the sample aliquots with reagents in preparation for analysis. such as a low WBC count or invalidations related to morphological flags. See warnings or instructions provided on product-specific labels, in the product-specific labels, in the product-specific Safety Data Sheets. Automatic Backup screen, page 181 Descriptions of screen elements, page 181 Alinity h-series Operations Manual 80000023-107 -2019-09-03 Installation procedures and special requirements System configure options for the daily automatic backup function. Stop Displays a message requesting confirmation to transition the instrument status of the module from Running, Processing, or Idle to Stopped. Each closed-tube rack holds a maximum of 10 specimen tubes. Under Number Format, tap an option in the Thousand/Decimal Separator area. Startup times • Alinity hq • Alinity Enable Moving Average Program Displays a check box that is used to enable or disable the specified Moving Average program. The Alinity hs supports the following stains: • May-Grönwald-Giemsa stain • Wright-Giemsa AbbottLink Connection Status flyout. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 897 Quality control (Alinity hq) IRF Section 11 Displays the immature reticulocyte count per volume. LAS Communication Configure the following settings: • Laboratory automation system configuration • Sender channel Shortcuts Configure user-defined System menu commands as icons on the menu bar. 11. IMPORTANT: Patient rules on SCC for retest/reflex. Under Procedure on the Available Files tab, tap one or more procedure files to install (or tap Select All). Principles of operation (Alinity hs), page 305 Smear-staining process (Alinity hs) The sample handler robot transports the slide carriers that contains smeared slides that require staining through the following sequence: Alinity hs) Section 3 1. Principles of operation (Alinity hs) S hq), page 270 Closed-tube processing, page 462 Open-tube
processing, page 453 Sample analysis cycle overview (Alinity hq) The sample analysis cycle begins when the sample analysis cycl Laboratories reserves the right to make additions, deletions, or modifications to the Information at any time without any prior notification. 36 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 System documentation Operations Manual 80000023-107 - 2019-09-03 System documentation Operations manual description Figure 8: Topic pane Legend: 1. In the Parameter area, tap Lookup. Figure 53: Open-tube racks Legend: 1. Host Connection Status flyout, page 377 Descriptions of host connection statuses Host connection is enabled or is disabled. The mean corpuscular volume (MCV) can be seen where the curve peaks. 49 Alinity h-series hardware .616 System Log screen (LUI)..... 615 Descriptions of message types... determines that the test results are not usable and reruns the original test, the operator reenters the test order since the original test order since the original test order since the system ejects the rack. If system faults continue to occur, contact Customer Service. Configure Navigates to the Configure screen. Additionally, Abbott Customer Service may provide a user name and a temporary password to operators who call for troubleshooting assistance. The hemoglobin concentration is proportional to the average of the reference measurements divided by the average of the sample measurements. To save the edits to the graph settings and return to the Configure screen, tap Done. 347 Power off the SCC.. percentage of lymphocyte. This placement ensures that the entire label is visible to the bar code reader. To return to the Parameters tab, tap Done. Read me first, page 11 18 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Read me first Alinity h-series agency approvals Alinity h-series agency approvals The Alinity h-series has been tested and found to comply with the following agency standards and European Union (EU) directives: • UL 61010-1 Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 1: General Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 1: General Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 1: General Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 1: General Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 1: General Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use - Part Use - Part 1: General Requirements • CAN/CSA-C22.2 No. 61010-1 Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 2-101: Particular requirements for in vitro diagnostic (IVD) medical equipment • IEC/EN 61010-2-010 Safety requirements for electrical equipment for the heating of materials • IEC 60825-1: Safety of Laser Products (Class 1 Laser Products) • Directive 2012/19/EU: Waste Electrical and Electronic Equipment (WEEE) • Directive 2011/65/EU: Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment for measurement, control and laboratory use EMC requirements Part 1: General requirements • IEC/BS EN 61326-2-6 Electrical equipment for measurement, control and laboratory use EMC requirements - In vitro diagnostic (IVD) medical equipment for measurement, control and laboratory use EMC requirements - In vitro diagnostic (IVD) medical equipment for measurement, control and laboratory use EMC requirements - In vitro diagnostic (IVD) medical equipment for measurement, control and laboratory use EMC requirements - In vitro diagnostic (IVD) medical equipment for measurement, control and laboratory use EMC requirements - In vitro diagnostic (IVD) medical equipment for measurement, control and laboratory use EMC requirements - In vitro diagnostic (IVD) medical equipment for measurement, control and laboratory use EMC requirements - In vitro diagnostic (IVD) medical equipment for measurement, control and laboratory use EMC requirements - In vitro diagnostic (IVD) medical equipment for measurement, control and laboratory use EMC requirements - In vitro diagnostic (IVD) medical equipment for measurement, control and laboratory use EMC requirements - In vitro diagnostic (IVD) medical equipment for measurement, control and laboratory use EMC requirements - In vitro diagnostic (IVD) medical equipment for measurement, control and laboratory use EMC requirements - In vitro diagnostic (IVD) medical equipment for measurement, control and laboratory use EMC requirements - In vitro diagnostic (IVD) medical equipment for measurement, control and laboratory use EMC requirements - In vitro diagnostic (IVD) medical equipment for measurement, control and laboratory use EMC requirements - In vitro diagnostic (IVD) medical equipment for measurement, control and laboratory use EMC requirements - In vitro diagnostic (IVD) medical equipment for measurement, control and laboratory use EMC requirements - In vitro diagnostic (IVD) medical equipment for measurement, control and laboratory use EMC requirements - In vitro diagnostic (IVD) medical equipment for measurement, control and laboratory use EMC The operator-readable portion of the label may or may not display the checksum character. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Section 3 Principles of operation Principles of operation (Alinity hq) Probe Obstruction Detection Hardware Failure The system identified a hardware failure for the probe obstruction detector. The system administrator can perform the following functions: • Add a new printer. WBC Temperature Out The WBC reagent heater was out of range when delivering of Range reagents for sample processing. • Configure the column headings that are displayed on the Results screen. pylori infection in childhood, but it is not unheard of to be diagnosed as an adult.H Pylori SymptomsMany people carry the H. 842 QC files (Alinity hq)... Supply Status button Navigates to the Supplies screen for the module selected. For other Moving Average programs, use of the default action limits is recommended. On the QC Result Data Views screen tap the tab to edit. • Log on to the SCC. Together, these lane status indicators provide helpful information to the operator regarding errors, insertion, removal, and in use. On the Configure screen, tap the System Control Center tab. In addition, AbbottLink may be used to send system updates, to provide remote service and to facilitate Abbott's delivery of third party services and products to Customer. 446 Prepare to process specimens (Alinity hs).....446 Specimen tube processing (Alinity hs)..... ... 214 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Installation procedures and special requirements System configuration Section 2 NOTE: It is recommended to verify the rule settings before use. The movement of the smearing mechanism is automatically adjusted based on the hematocrit value. On the Moving Average Setup screen, tap the tab of the Moving Average program to configure. To remove the image, tap Remove. Home screen, page 359 Rack Transport Status flyout element descriptions, page 382 Rack Transport Status flyout element descriptions Elements Module name and its current rack transport status. Reagent Status button Navigates to the Reagent Status flyout element descriptions, page 382 Rack Transport status. data conditions that require further review. PID Displays the unique patient identification number. Total Samples Displays the total number of samples. Set PIN flyout. Navigates to the Maintenance tab on the Procedures screen for the module selected. Elements Operator ID Displays the unique patient identification number. Total Samples Displays the set PIN flyout. is connecting to the LAS, the system is shutting down, or an alert was delivered to the LAS. Requesting Source Displays the requesting source. Supplies (Alinity hs), page 419 Open and close the module cover, page 589 Smear tape cartridge is a sealed unit unique source. to the module. 115 Installation procedures and special requirements System configuration Section 2 • View a report sample. The default logon is Admin (system administrator). Unit Format Selection area USA Displays a button that is used to apply the USA unit format to all whole blood parameters. Some of the System menu commands can be configured for these icons. To delete the edits to the flagging threshold settings, tap Cancel. 74 2. Aspirate and dispenses it into incubation cups. To edit the number of runs, type the number of runs, type the number in the box or tap the Up Arrow and Down Arrow buttons. The module can have an instrument status of Closed tube, Open-tube, or QC. The bottle holder contains a mechanism that pierces that reagent bottle is installed. 134 2. The instrument status for all modules is Running or Processing. Use or function, page 49 Water (Alinity hq), page 91 Reagents (Alinity hq), page 91 Reagents (Alinity hs), page 96 Supplies (Alinity hq), page 99 Supplies (Alinity hq), page 99 Supplies (Alinity hq), page 99 Supplies (Alinity hq), page 101 Water (Alini the Home screen, tap the four-digit PIN for the operator ID. NOTE: To display the current time, tap the Up Arrow button or is disabled. Configure screen, General tab, page 115 Modules screen element descriptions, page 155 Edit Modules screen, page 155 154 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Installation procedures and special requirements System configure the module screen, page 243 Carryover screen element descriptions, page 260 New Carryover screen, page 260 Carryover Details screen, page 264 Carryover screen element descriptions The Carryover screen displays a list of the files with the associated information. Start Initializes the module and transitions the instrument status from the
carryover screen displays a list of the files with the associated information. Available Files tab of the Install/Uninstall Procedures screen. Environmental specifications and requirements, page 323 324 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Performance characteristics and specifications and requirements, page 323 324 Alinity h-series Operations and requirements and interface specifications and requirements and interface specifications and requirements. specifications Processor: • System Control Center (SCC) MPU Core 3.1 G 6M 1155P 4CORE I5-2400(G) + Alinity hq Core 3.1 G 6M 1155P 4CORE I5-2400(G) 7200RPM SATA HDD • Alinity hq Drive C: Minimum: 64 GB solid-state drive • Alinity hs Drive C: Minimum: 64 GB solid-state drive • • • • LCD (minimum: 64 GB solid-state drive operator interface: • Touchscreen monitor (SCC) • • • • • • LCD (minimum: 64 GB solid-state drive operator interface: • Touchscreen monitor (SCC) • • • • • • LCD (minimum: 64 GB solid-state drive operator interface: • Touchscreen monitor (SCC) • • • • • • LCD (minimum: 64 GB solid-state drive operator interface: • Touchscreen monitor (SCC) • • • • • • LCD (minimum: 64 GB solid-state drive operator interface: • Touchscreen monitor (SCC) • • • • • • LCD (minimum: 64 GB solid-state drive operator interface: • Touchscreen monitor (SCC) • • • • • • LCD (minimum: 64 GB solid-state drive operator interface: • Touchscreen monitor (SCC) • • • • • • LCD (minimum: 64 GB solid-state drive operator interface: • Touchscreen monitor (SCC) • • • • • • LCD (minimum: 64 GB solid-state drive operator interface: • Touchscreen monitor (SCC) • • • • • • LCD (minimum: 64 GB solid-state drive operator interface: • Touchscreen monitor (SCC) • • • • • • LCD (minimum: 64 GB solid-state drive operator interface: • Touchscreen monitor (SCC) • • • • • • LCD (minimum: 64 GB solid-state drive operator interface: • Touchscreen monitor (SCC) • • • • • • LCD (minimum: 64 GB solid-state drive operator interface: • Touchscreen monitor (SCC) • • • • • • LCD (minimum: 64 GB solid-state drive operator interface: • Touchscreen monitor (SCC) • • • • • • LCD (minimum: 64 GB solid-state drive operator interface: • Touchscreen monitor (SCC) • • • • • • LCD (minimum: 64 GB solid-state drive operator interface: • Touchscreen monitor (SCC) • • • • • • LCD (minimum: 64 GB solid-state drive operator interface: • Touchscreen monitor (SCC) • • • • • • • LCD (minimum: 64 GB solid-state drive operator interface: • Touchscreen monitor (SCC) • • • • • • • • LCD (minimum: 64 GB solid-state drive operator interface: • Touchscreen monitor (SCC) • • • • • • • • LCD (minimum: 64 GB solid-state drive o connector Speakers in the monitor LCD (12.1 in.) Aspect ratio of 4:3 Native resolution of 1024 x 768 Standard VGA and DVI Speakers in the monitor • Touchscreen monitor • Code 128 • ISBT Code 128 • Standard Code 39 • Codabar • Interleaved 2 of 5 • Data Matrix ECC 200 (reagents and supplies) Printer drivers Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Printer not provided. Operating instructions, page 345 Cycle power to the system, page 346 Power on the SCC, page 347 Power off the SCC, page 347 Cycle power to the module, page 348 Power on the module, page 350 Stop the module, page 351 Shut down the module, page 350 Run the module, page 351 Shut down the module, page 351 Perform an emergency shutdown, page 351 Shut down the module, page 350 Run the mod present on the system. To close the Printer Status/Queue flyout, tap Done. If you have had an ulcer, you should avoid taking over-the-counter nonsteroidal anti-inflammatory drugs (NSAIDs) for pain as they can cause damage to your stomach lining.PreventionPreventing H. Search box Related information... • For each replicate of whole blood, the specimen tube is aspirated twice and is processed on both the left incubation block and the right incubation block for a total of two runs per replicate. The module cover may be opened for maintenance or troubleshooting procedures. Under Message Headers on the HL7 Communication screen, enter the following information: - MSH-3 Sending Application - MSH-4 Sending Facility - MSH-5 Receiving Application Alinity h-series Operations Manual 80000023-107 - 2019-09-03 173 Installation procedures and special requirements System configuration Section 2 - MSH-6 Receiving Facility NOTE: Message headers can be configured in any instrument status. Transports carrier racks with dried smears that need staining to the stain baths and places the slide carrier in each of the four stain baths in order of the stain baths in order of 898 Print Displays the Print flyout. (Default) When this test option is selected, 54 graph check boxes are displayed. Maintenance Indicates that the module is processing a maintenance script that was initiated manually by the operator or automatically by priority. 305 Smear-making process (Alinity hs). the maintenance scheduler. Transports the tube to the escalator. Move the cursor below the animation to display the toolbar again. NOTE: Before power is cycled to the module, load a bottle of Retic reagent if a Retic test is being enabled. After the slides are dry, the sample handler robot takes the slide carrier back to the slide carrier rack. For the scatterplots, the colors of the dots on the graphs correspond to cell populations of the parameter of the Alinity h-series Operation Annual 80000023-107 - 2019-09-03 Principles of operation (Alinity hq) Section 3 same color under Numerical Results on the Result Details screen. A bottle release button next to each bottle holder releases the cap from the bottle holder to remove and replace the bottle. The module allows the operator to choose staining protocols as desired by the laboratory. Sex Displays the gender for each patient limit set. Specifications and requirements, page 318 Specimen types and replace the bottle. mode, page 342 Specimen tubes (Alinity hq), page 343 Alinity h-series Operations Specifications and requirements in specimen tubes (Alinity hs), page 343 Specimen types The Alinity h-series currently accepts venous and capillary whole blood specimens. • A message is displayed in the Alert Center. Alinity h-series hardware overview Section 1 For the Alinity h-generations the following reagents: • HGB Reagent • WBC Reagent • Retic Reagent • AutoClean Solution Reagent bottles are inverted and installed in bottle holders. • Edit the settings for limit and delta checks. Clinical and Laboratory Standards Institute A nonprofit organization that provides a communication forum for the development, promotion, and use of standards for the worldwide medical science community. Status Displays one of the following statuses: • In • 1 Out • 2 Out Date/Time Displays the date and time that the batch was sealed. Age Range Displays the date and time that the batch was sealed. with cybersecurity controls, our customers also play a vital role in protecting information security: • Use of good laboratory practices and adherence to applicable regulations is recommended at all times. Function buttons flow cell. DSS mean Displays graphical data for the mean RETIC DSS optical signal. The Alinity hs creates and stains smears from blood samples in addition to staining externally prepared blood smears for morphologic review. Required accessories, page 106 Open-tube racks open-tube racks open-tube racks are accessories used for specimen tubes that a module cannot process by closed-tube processing because of the specimen tube size or the cap configuration. Check Sample Integrity ** • HGB Channel Out of Range • RBC/PLT Count Rate Violation • RBC PLT Spike Detected • WBC Channel Saturation * • RBC Channel Saturation * • RETC Channel Saturation * • Lower PLT Interference • Upper PLT Interferen boundary not found • Low WBC count • Too Many High FL1 cells * • Outside Analytical Measurement Range • Too Many high FL1 events * Flags related to sample characteristics and likely to repeat. IAS3 mean Displays graphical data for the mean RBC IAS3 optical signal. The SCC shuts down. Reagents screen, page
385 Descriptions of screen elements, page 81 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 389 Operating instructions Reagent inventory management Section 5 Export Reagents flyout element descriptions Open Date Range area Displays the date range options for export selections. You're Reading a Free Preview Pages 102 to 177 are not shown in this preview. Sample Processing screen, page 140 Descriptions of screen elements, page 81 Configure a custom stain protocol (Alinity hs), page 146 Sample Processing screen, common tab displays the common Results icon Navigates to the Summary tab on the Results screen. To increase or decrease the font size in the document, use the Zoom toolbar. Sample bar code label requirements, page 335 Specimen requirements specimen requirements include criteria for recommended collection tubes, collection tube dimensions, and minimum volume requirements. The second beam passes through an aperture, and a second beam splitter further divides the beam. Each tube hole has a number that can be inserted. Test Displays a drop-down list that is used to select one of the following tests: HCT (%) Smear Preparation of a smear + Stain Preparation of a stained smear Field for the operator to enter the following information: - To enable or disable audio alerts, tap an option in the Audio Alert area. It is expressed as a percentage. 18. Table 21: Alinity hq Noise level • • Idle: Does not exceed 60 dBA Running: Does not exceed 65 dBA Heat output Does not exceed 700 W (2400 Btu) Table 22: Alinity hs Noise level • Idle: < 60 dBA Running: < 65 dBA Heat output Does not exceed 45 dBA Heat output Does not exceed 785 Btu Related information... In the From box enter a date. RBC fragments RBC Frag Indicates the presence of RBC fragments or schistocytes. • On the front right side of the module, move the main power switch to the ON/I position. Module bar - Module button - WBC area, HGB area, RETIC area, AutoClean Solution area, Stain area, Smear Fix area, Phosphate Buffer area Tests Remaining Displays a graphical representation of the status and total remaining reagent. Test Displays the default test. In the list in the Automatic Backup Location. Search tab 2. On the General tab of the Configure screen, tap Sample Processing. The terms and conditions for Customer's use of such Alinity h-series Operations Manual 80000023-107 - 2019-09-03 17 Disclaimers Read me first third party services and products are to be provided to Customer separately by the applicable third parties. Lifts a tube from a closed-tube rack and transports the tube to the resuspension unit. Repeating the measurement may eliminate the flag. Configure screen, General tab, page 115 Waste Setup screen element descriptions (Alinity hq), page 151 Configure the waste setup, page 152 Waste Setup screen, the system administrator can configure the waste outlet for Alinity hq modules as either the laboratory drain or a waste container. You're Reading a Free Preview Pages 495 to 600 are not shown in this preview. Function buttons Done Navigates to the Configure screen. The words "INVALID DATA" appear next to the title, "Numerical Results". Seq Displays the sequence number of a carryover run. To save the report header settings and return to the Configure screen, tap Done. Rack Transport Status flyout, page 382 AbbottLink Connection Status flyout In the AbbottLink Connection Status flyout, the operator can view the status of the AbbottLink. X-B tab MCV Displays the mean cell hemoglobin. Enter the created from date by tapping the calendar inside the box. Primary components of an Alinity h-series, page 50 52 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Use or function Alinity h-series hardware overview Section 1 Adjust the position of the LUI monitor. Lower Limit Displays the lower limit of the value of a parameter form this procedure to adjust the position of the LUI monitor. the current batch. Edit File screen, page 254 Precision Results screen On the Precision Results screen, the operator can view all precision result records for a selected module. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Operating instructions Home screen Section 5 Red One or more parameters for the most recent two sealed batches are outside the action limits. A numerical result is displayed with an asterisk (*) to the right of the value on the Result Details screen. In the Comment box in the Backup flyout, type the reason that the manual backup was performed. Elements File Name Displays the name of th carryover file. The robot returns the open-tube rack to the lane after sample aspiration is completed. • Troubleshoot a problem. Folder name Displays name of the currently selected folder. Configure screen, page 200 Edit Limit/Delta Check screen, page 200 Create Limit/Delta Check screen, General tab element descriptions, page 201 Create Limit/Delta Check screen and Edit Li Edit Limit/Delta Check screen, Morphology Flags tab element descriptions, page 204 Create Limit/Delta Check screen and Edit Limit/Delta Check screen, Retest/Reflex tab element descriptions, page 210 Patient Rules screen, page 212 Limit/Delta Check screen element descriptions On the Limit/Delta Check screen, the operator can create a new patient limit set group or edit the limit and delta check settings for a patient limit set group. Cells in the sample stream interact with the laser beam, and scattered light and fluorescence are measured. • Accomplish a task. ACC Displays a check box that is used to enable the ACC. 563 Liquid wastes that contain (potentially) infectious materials..... . Primary components of an Alinity h-series, page 50 Module cover The module cover along with the side and rear panels encloses and protects the Alinity h-series module components and helps to protect operators from moving components and other hazards within the module. %B Displays the percentage of basophil. BASO Displays graphical data for the basophil count per volume. Enter the target and range for each parameter. For example, in the numbered steps, bold font style is applied to the following elements: • Toolbar, icon, and menu items • Buttons • Commands • Lists and tabs • Dialog box titles and options Numbers in brackets (for example, [1] and [2]) Reference specific areas of a graphic. Figure 84: Home screen on the LUI, the operator can view the following information: • Module status information • Module conditions that require an operator response The operator can perform the following functions: • Start, run, pause, and stop the module. Remove Printer Displays a message requesting confirmation to delete a configured printer. Module Displays a drop-down list that is used to select the module by serial number. On the QC Result Data Views screen, tap the tab to rename. The run results are removed from the Current Batch screen and a new current batch is started. Operations manual use, page 38 Use the table of contents Perform this procedure to view a list of topic citles in the operations manual and to display associated topic content. Runs Displays the number of runs for the precision file. Reagent Status screen (LUI), page 392 Descriptions of screen elements, page 81 Reagent statuses The following reagent statuses may be displayed on the Reagents screen on the SCC and the LUI: <? Type the first and last names. The background limit set flag is displayed on the Reagents screen on the SCC and the LUI: <? Type the first and last names. the menu. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 85 Use or function Alinity system software overview Section 1 Figure 34: Menu bar on the SCC Legend: 1. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 99 Use or function Alinity system software overview Section 1 Figure 34: Menu bar on the SCC Legend: 1. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 99 Use or function Alinity system software overview Section 1 Figure 34: Menu bar on the SCC Legend: 1. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 99 Use or function Alinity system software overview Section 1 Figure 34: Menu bar on the SCC Legend: 1. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 99 Use or function Alinity h-series Operations Manual 80000023-107 - 2019-09-03 99 Use or function Alinity h-series Operations Manual 80000023-107 - 2019-09-03 99 Use or function Alinity h-series Operations Manual 80000023-107 - 2019-09-03 99 Use or function Alinity h-series Operations Manual 80000023-107 - 2019-09-03 99 Use or function Alinity h-series Operations Manual 80000023-107 - 2019-09-03 99 Use or function Alinity h-series Operations Manual 80000023-107 - 2019-09-03 99 Use or function Alinity h-series Operations Manual 80000023-107 - 2019-09-03 99 Use or function Alinity h-series Operations Manual 80000023-107 - 2019-09-03 99 Use or function Alinity h-series Operations Manual 80000023-107 - 2019-09-03 99 Use or function Alinity h-series Operations Manual 80000023-107 - 2019-09-03 99 Use or function Alinity h-series Operations Manual 80000023-107 - 2019-09-03 99 Use or function Alinity h-series Operations Manual 80000023-107 - 2019-09-03 99 Use or function Alinity h-series Operations Manual 80000023-107 - 2019-09-03 99 Use or function Alinity h-series Operations Manual 80000023-107 - 2019-09-03 99 Use or function Alinity h-series Operations Manual 80000023-107 - 2019-09-03 99 Use or function Alinity h-series Operations Manual 80000023-107 - 2019-09-03 99 Use or function Alinity h-series Printer Queue flyout. IRF Displays the immature reticulocyte count per volume. 39 Scroll through a topic or the table of contents..... .. Elements Bar Codes Displays the following bar code options: • Code 128 • Code 39 • Interleaved 2 ...39 Play an animation... of 5 • Codabar Show Data Identifier and Flag Displays the full ISBT SID on the Orders screen and Results screen. Such response and any information submitted therewith shall be free to reproduce,
publish or otherwise use such information for any purposes whatsoever including, without limitation, the research, development, manufacture, service, use, or sale of products incorporating such information. Required instrument status Pausing, Stopped, Running or Idle, except where noted Operator access level System administrator Perform this procedure to configure the HL7 communication settings for the system. The Next Topic button is unavailable for the last topic in the manual. The operator is notified to change the tube cap and reinsert the rack. • 3SD: Displays the options of flagging threshold levels: Alinity h-series Operations Manual 80000023-107 - 2019-09-03 197 Installation procedures and special requirements System configuration Section 2 • Low • Default • High Function buttons Done Saves changes and either displays the previously viewed screen or closes the flyout. Reagents (Alinity hs), page 96 Replace a cubitainer in the lower reagent drawer by using the LUI, page 399 Stain solutions (Alinity hs) The major function of the stain solutions is to provide Romanowsky dyes (a variety of thiazines and eosins) that are used to display screens, flyouts, and menus. 447 Externally prepared smear processing (Alinity hs)... ... The status of the AbbottLink communication is indicated by the following button colors: Green The system is communicating with AbbottLink. To delete the edits to the LAS communication settings, tap Cancel. Notifications are displayed when reagents are low, require replacement, or are near expiration. Module Displays the module name and number of the carryover file. On the Configure screen, tap the General tab. Pylori infection is usually treated with two antibiotics at once to ensure the body does not develop a resistance to one of the antibiotics at once to ensure the body does not develop a resistance to ensure the body does not develop a resistance to one of the antibiotics at once to ensure the body does not develop a resistance to ensure the body does not deve by the Mayo Clinic. The correlation coefficients, ranges, slopes, and y-intercepts for each of the parameters are shown in the following table. On the Users screen, tap Create New User. APD Calibration failed. The bar code label identifies the rack type, the rack type, the rack number, and the specimen tube position in the rack. Principles of operation (Alinity hs), page 305 Stain protocols (Alinity hs), page 311 Stain protocols define the timing of each step in the staining process and the concentration of stain that is used. 3. Reports screen, page 136 Reports screen, Auto Print Displays a check box that enables or disables the automatic printing. If the results are still invalid or suppressed after the measurement is repeated, an alternative method needs to be used to confirm the results. Open Lanes Displays the number of open lanes. procedures and special requirements System configuration Section 2 Automatic Backup screen, the supervisor can perform the following functions: • Enable or disable the automatic backup screen, the supervisor can perform the following functions: • Enable or disable the automatic backup screen on the Automatic Backup screen, the supervisor can perform the following functions: • Enable or disable the automatic backup screen on the Automatic Backup screen on the SCC. number of slides to prepare for each smear case. The slide carrier is returned to the slide carrier rack. - Tap the Up Arrow button for a selected demographic to move its column one position to the left. To delete the sample-processing settings, tap Cancel. 346 Cycle power to the system. .346 Power . Procedure map description, page 45 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 47 Procedure map description System documentation NOTES 48 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 47 Procedure map description The on the SCC. Alinity h-series of instruments has a scalable design to provide full integration of multiple automated hematology analyzers with an automated blood film preparation and staining module, all of which are controlled by one user-friendly interface. * PLT Carryover and WBC Carryover are specimen-related messages. Configure screen, System Control Center tab, page 158 Host Setup screen, General tab element descriptions, page 169 Host Setup screen, General tab element de settings. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Operating instructions Home screen Section 5 EPS icon (Alinity hs) Navigates to the EPS screen. CV (%) Displays the percent coefficient of variation of all values of a parameter for the precision file. Because a large cell scatters light more readily than a small cell, ALL is used as a measurement of the cell size. If any batches from Moving Average programs have a status of Out, the following Average program has a status of Out, the notification is displayed as yellow for the module. Ensure that the module remains powered off for 1 minute. Data Usage Statement for AbbottLink Data collection: AbbottLink software only collects operational and instrument data. Move the power switch to the ON/I position. Uninstalled procedure files are listed in the procedure log with a history of previous actions. The sample is flushed from the hemoglobin flow cell. QC icon Navigates to the Summary tab on the QC screen. To resize the document to fit the window width () or to resize the document to fit one full page in the window (), use the Fit toolbar. Open and STAT lanes. Sample handler robot: Transports specimen tubes throughout a module and transports racks to the open-tube sampling position and conveyor. pylori infection may be found in more than half of the world's population, although most do not get sick from it, according to the Mayo Clinic. What Causes H. IEC 61010-1 Symbol Description Caution: Consult accompanying documents Caution: Hot surface Caution: Possibility of electric shock Caution: Protective conductor terminal Off On IEC 61010-2-101 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 21 Key to symbol Read me first Description Caution: Biological RISKS ISO 15223-1 Symbol Description Caution: Protective conductor terminal Off On IEC 61010-2-101 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 21 Key to symbol Read me first Description Caution: Biological RISKS ISO 15223-1 Symbol Description Caution: Biological RISKS ISO 15223-1 Symbol Description Caution: Protective conductor terminal Off On IEC 61010-2-101 Alinity h-series Operations Manual 80000023-107
- 2019-09-03 21 Key to symbol Read me first Description Caution: Biological RISKS ISO 15223-1 Symbol Description Caution: Biolog Date of manufacturer Temperature limitation Use by/Expiration date Batch code/Lot number IN Vitro Diagnostic Medical Device List number Serial number ISO 7010-W021 22 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Key to symbols Read me first Symbol Description Caution: Flammable material ISO 7010-W022 Symbol Description Caution: Finger pinch hazard C freeze For use with Hemoglobin Reagent Inlet Manufactured for Abbott by Alinity h-series Operations Manual 80000023-107 - 2019-09-03 23 Key to symbols Symbol Read me first Description Product of USA Quantity Retic Reagent Volt-Ampere Voltage alternating current WBC Reagent Working Related information... RDW Displays graphical data for the percentage of red cell distribution width. The assembly has three main subsystems: • Illumination subsystems: 80000023-107 - 2019-09-03 Section 3 Principles of operation (Alinity hq) Figure 60: Optical bench assembly Related information... In the Host Connection Status flyout, tap Clear Queue. The tube septum can be pierced (punctured) many times until the tube is empty. To print the precision results report for a module, tap the module number on the Precision Results screen, and then tap Print. 80 Menu bar: Provides navigation elements and status indicators. The purple stripe visually differentiates an LAS rack from a front-loading closed-tube rack. 905 10 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Read me first Foreword Congratulations on becoming an operator of the Alinity h-series. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 69 Use or function Alinity h-series hardware overview Section 1 Figure 26: Upper reagent drawer (Alinity h-series hardware overview Section 1 Figure 26: Upper reagent drawer (Alinity h-series hardware overview Section 1 Figure 26: Upper reagent drawer (Alinity h-series hardware overview Section 2 Figure 26: Upper reagent drawer (Alinity h-series hardware overview Section 2 Figure 26: Upper reagent drawer (Alinity h-series hardware overview Section 2 Figure 26: Upper reagent drawer (Alinity h-series hardware overview Section 2 Figure 26: Upper reagent drawer (Alinity h-series hardware overview Section 2 Figure 26: Upper reagent drawer (Alinity h-series hardware overview Section 2 Figure 26: Upper reagent drawer (Alinity h-series hardware overview Section 2 Figure 26: Upper reagent drawer (Alinity h-series hardware overview Section 2 Figure 26: Upper reagent drawer (Alinity h-series hardware overview Section 2 Figure 26: Upper reagent drawer (Alinity h-series hardware overview Section 2 Figure 26: Upper reagent drawer (Alinity h-series hardware overview Section 2 Figure 26: Upper reagent drawer (Alinity h-series hardware overview Section 2 Figure 26: Upper reagent drawer (Alinity h-series hardware overview Section 2 Figure 26: Upper reagent drawer (Alinity h-series hardware overview Section 2 Figure 26: Upper reagent drawer (Alinity h-series hardware overview Section 2 Figure 26: Upper reagent drawer (Alinity h-series hardware overview Section 2 Figure 26: Upper reagent drawer (Alinity h-series hardware overview Section 2 Figure 26: Upper reagent drawer (Alinity h-series hardware overview Section 2 Figure 26: Upper reagent drawer (Alinity h-series hardware overview Section 2 Figure 26: Upper reagent drawer (Alinity h-series hardware overview Section 2 Figure 26: Upper reagent drawer (Alinity h-series hardware overview Section 2 Figure 26: Upper reagent drawer (Alinity h-series hardware overview Section 2 Figure 26: U screen. Alignment station: Aligns slides placed on the slide shuttle to print and smear consistently between samples. If a waste container is full. Log On screen, page 353 Remove a capped specimen tube from the gripper (Alinity hq LUI), page 832 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 357 Operating instructions Log On screen Section 5 Remove the gripper (Alinity hg LUI), page 833 Remove a specimen tubes in the loading area from the gripper (Alinity hg LUI), page 834 Remove an open-tube rack from the gripper (Alinity hg LUI), page 834 Remove an open-tube rack from the gripper (Alinity hg LUI), page 834 Remove an open-tube rack from the gripper (Alinity hg LUI), page 833 Remove a specimen tubes in the loading area from the gripper (Alinity hg LUI), page 834 Remove a specimen tubes in the loading area from the gripper (Alinity hg LUI), page 834 Remove a specimen tubes in the loading area from the gripper (Alinity hg LUI), page 834 Remove an open-tube rack from the gripper (Alinity hg LUI), page 834 Remove an open-tube rack from the gripper (Alinity hg LUI), page 834 Remove an open-tube rack from the gripper (Alinity hg LUI), page 834 Remove an open-tube rack from the gripper (Alinity hg LUI), page 834 Remove an open-tube rack from the gripper (Alinity hg LUI), page 834 Remove an open-tube rack from the gripper (Alinity hg LUI), page 834 Remove an open-tube rack from the gripper (Alinity hg LUI), page 834 Remove an open-tube rack from the gripper (Alinity hg LUI), page 834 Remove an open-tube rack from the gripper (Alinity hg LUI), page 834 Remove an open-tube rack from the gripper (Alinity hg LUI), page 834 Remove an open-tube rack from the gripper (Alinity hg LUI), page 834 Remove an open-tube rack from the gripper (Alinity hg LUI), page 834 Remove an open-tube rack from the gripper (Alinity hg LUI), page 834 Remove an open-tube rack from the gripper (Alinity hg LUI), page 834 Remove an open-tube rack from the gripper (Alinity hg LUI), page 834 Remove an open-tube rack from the gripper (Alinity hg LUI), page 834 Remove an open-tube rack from the gripper (Alinity hg LUI), page 834 Remove an open-tube rack from the gripper (Alinity hg LUI), page 834 Remove an open-tube rack from the gripper (Alinity hg LUI), page 834 Rem gripper (Alinity hq LUI), page 835 Lock the user interface Perform this procedure to lock the user interface. Yellow The instrument status of the module is Idle, Initializing, Pausing, Running in halt mode, or Maintenance. NOTE: Reflex rules are not available for an Alinity hq standalone system. The checksum character is usually added after the last character on the right side of the label and on the left side of the stop character. • Disable patient rules. Configure graph settings for the Result Details Settings screen element descriptions, page 195 Configure graph settings for the Result Details Settings for the Result Details Settings screen element descriptions. Settings screen, the supervisor can configure the graph settings for the detail report tabs that are displayed on the Results Report. NOTE: System faults during a QC run that cause a limit violation change the QC Status button on the Home screen from green to red. The status of reagents loaded in the reagent drawers is indicated by the following colors: Green The reagent status is OK. The WPS is an external component that is located within a specified distance from the module. 196 On the Configure screen, tap the Results tab. The default is 14 seconds. System configuration, page 179 Automatic Backup screen, page 174 LAS Communication screen, page 174 LAS Communication screen, page 179 Automatic Backup screen, page 181 Halt Behavior screen, page 183 General Settings screen On the General Settings screen, the operator can configure the speaker volume. Levey-Jennings (MA) screen (Alinity hq) Roving Average program notifications (Alinity hq) Section 11 Moving Average program notifications (Alinity hq) Moving Average program notifications are displayed on the SCC. Displays the Printer Status/Queue flyout. To save the edits to the flagging threshold settings, tap Save. 118 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Installation procedures and special requirements System configuration Section 2 Elements Operator ID Displays a text box that is used to search by the operator ID. Clear tape covers the label. To configure the month and year, tap the Left Arrow or the Right Arrow button, and then tap the day. Precision Results screen element descriptions, page 256 Precision Results screen element descriptions, page 256 Precision Results screen element descriptions, page 256 Precision Results screen element descriptions and the system

must be configured for retest according to laboratory practice. The range is from 20 seconds through 60 seconds. PLT Interpretive Results area Displays the PLT parameter that can be added for high and low flagging of results. and displays the PLT parameter that can be added for high and low flagging of results. can view the host settings. To copy the settings from another configuration to the Morphology Flags tab, perform the following steps: 208 a. Type Displays the type of backup. Under Parameter as a column. This label contains the specimen ID. • Configure options for automatic printing of reports. • Configure graph transmission settings. The range is from 5 seconds through 14 seconds. The Up Arrow button moves the demographic one column to the left. • Review the reagent, maintenance, and system logs to see if reagent changes, maintenance procedures, or other events have caused or have contributed to the problem. Yellow The instrument status of the module is Idle, Initializing, Pausing, or Maintenance. Figure 1: Operations manual Legend: 1. Queued Messages Displays the number of results messages pending transmission to the host interface connection. Table 29: Obtained Bias (Alinity hq) Results for specimen stability at room temperature and refrigerated storage conditions Room Temperature (15°C - 30°C) Refrigerated (2°C - 10°C) 8 hours 24 hours 8/Bias/Bias %Bias/Bias 0.8% / 0.02 2.0% / 0.06 -0.5% / -0.01 Analysis Variable Alinity h-series Operations Manual 80000023-107 - 2019-09-03 331 Performance characteristics and specifications Specifications Specifications and requirements Section 4 Results for specimen stability at room temperature (15°C - 30°C) Refrigerated (2°C - 10°C) 8 hours 24 hours 48 hours 24 hours 8 hours 24 hours 8 hours 24 hours 48 hours 24 hours 48 hours 24 hours 48 hours 24 hours 48 hours 24 hours 8 hours 24 hours 48 hours 24 hours 8 hours 24 hours 48 hours 24 hours 48 hours 24 hours 48 hours 24 hours 8 hours 24 hours 48 hours 0.00 N/A / -0.01 N/A / -0.01 N/A / -0.01 N/A / -0.01 N/A / -0.02 IG 0.0% / 0.00 N/A / 0.00 N/A / 0.00 N/A / 0.00 N/A / 0.03 0.3% / 0.02 0.4% / 0.03 -0.1% / -0.02 0.0% / 0.03 0.3% / 0.02 0.4% / 0.02 0.6% / 0.24 0.8% / 0.24 0.8% / 0.24 0.8% / 0.24 0.8% / 0.24 0.8% / 0.24 0.8% / 0.24 0.8% / 0.24 0.8% / 0.24 0.8% / 0.24 0.8% / 0.23 0.4% / 0.02 0.4\% / 0.02 / 0.38 0.4% / 0.40 RETIC 0.3% / 0.43 0.9% / 0.53 2.6% / 1.97 4.8% / 4.73 N/A / 7.45 PLT 0.5% / 0.50 -1.1% / N/A 0.4% / 0.82 0.1% / 0.50 0.4% / 0.50 0.4% / 0.50 0.4% / 0.50 0.4% / 0.50 0.4% / 0.50 0.4% / 0.50 0.4% / 0.50 0.4% / 0.50 0.4% / 0.50 0.4% / 0.50edits, tap Cancel. To save the edits to the HL7 communication settings, tap Save/Test. Users screen, page 117 Inactivate or activate a user. On the Quality Control tab of the Configure screen, tap Moving Average Setup. Specific screen element descriptions that explain the kind of information to enter, select, or view are available for each screen and can be accessed by the links provided in the following Related information... Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Principles of operation (Alinity hq) Section 3 2. EOS Displays the eosinophil count per volume. Primary components of an Alinity h-series, page 50 Loading area (Alinity hs), page 66 Lane status indicators (Alinity hs), page 67 Drawers (Alinity hs), page 73 Slide picker assembly (Alinity hs), page 67 Drawers (Alinity hs), page 69 Internal components (Alinity hs), page 70 Loading area (Alinity hs), page 67 Drawers (Alinity hs), page 71 Sample handler robot (Alinity hs), page 67 Drawers (Alinity hs), page 67 Drawers (Alinity hs), page 73 Slide picker assembly (Alinity hs), page 74 Sample handler robot (Alinity hs), page 75 Loading area (Alinity hs), page 70 Drawers (Alinity hs), page area is divided into three lanes that hold glass slide holders, eight lanes that hold sample racks, and three lanes that hold slide carrier racks. 140 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Installation procedures and special requirements System configuration Section 2 IMPORTANT: The quality of stained smears that are produced by custom stain protocols must be validated by the laboratory. Elements Module bar Displays buttons that are used to select an individual module. When the label is not as vertically straight as possible, the bar code reader may not locate the required quiet zones and the start and stop characters. Create a precision file. The button is displayed only when the system is configured for a printer. The scheduled maintenance may be configured to run automatic Backup Location window element, page 81 Automatic Backup Location window element descriptions In the Automatic Backup Location window, the operator can select the drive and folder location for the automatic backup. WBC dilution c. Utilities Navigates to the Utilities screen. The end result is a shortened sample acquisition time. • Apply new bar code settings. 4 Interleaved 2 of 5 Each character (2 digits) has Numeric characters 0 10 elements: 5 bars and 5 through 9 spaces. Configure screen, General tab, page 115 152 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Installation procedures and special requirements System configurations System configurations on the Lane Setup screen, the operator can add or remove STAT processing lanes on a module. Log On Screen Time- Displays a box that is used to edit the setting for the screen out (Minute) time-out: • Range is from 0 minutes through 60 minutes. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Installation procedures and special requirements System configuration Section 2 6. Principles of operation (Alinity hq), page 270 Flow cytometry (Alinity hq), page 275 Absorption spectrophotometry (Alinity hq), page 275 Absorption spectrophotometry (Alinity hq), page 275 Absorption spectrophotometry (Alinity hq), page 284 Flow cytometry is a process used to count and measure the properties of cells or particles as they are carried by fluid through a sensing zone. Configure screen, Quality Control tab, page 219 QC Result Data Views screen element descriptions, page 220 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 219 Installation procedures and special requirements System configuration Section 2 Add Tab flyout element descriptions, page 223 Add or delete a tab on the QC screens, page 224 Rename a tab on the QC screens, page 225 Change the tab position on the QC screens, page 225 Configure columns on the QC file results. When a rule is enabled, a plus sign is displayed at the top right of each parameter's plot, next to the incubation block legend. The operator selects and may configure staining protocols as needed by the laboratory. Add Displays a button that is used to add the scheduled time to the Scheduled Times list. Module (Alinity hs), page 65 Recover the module from a status of Stopped with dropped slides inside the module (Alinity hs LUI), page 622 76 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Section 1 Use or function Alinity h-series hardware overview Water purification system (WPS) (Alinity hq) An external water purification system (WPS) purifies the laboratory water to provide ultra pure water pure water to provide ultra p maintenance procedures. Rule 3 (22s) Two consecutive values fall outside the same 2SD. The Alinity hs module is shipped with factory-set stain protocols for the May-Grünwald-Giemsa stain and the Wright-Giemsa stain. Log On area This area is used to enter an operator ID and a four-digit numeric pin to log on to the system. Load Navigates to the New Reagent screen for the selected item on the current screen. Clear Lane Displays a button that is used to change a STAT lane to a standard lane. Bar Codes screen, page 81 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 129 Installation procedures and special requirements System configuration Section 2 Configure bar code settings for the system. CLSI Document EP10-A3. • Configure the column headings that are displayed on the QC screens. The purified water is stored in a 20 L internal reservoir. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 41 Operations manual use System documentation... To save the edits to the
shortcuts settings, tap Done. In the Module drop-down list, tap the module that contains the necessary target and range. Under Carryover Details on the New Carryover screen, type the file name in the File Name box. Runs Displays the number of runs completed. Component name Displays the system component name. On the LUI, the operator can perform the following functions: • View the module information. 606 System Logs screen, All Messages tab element descriptions... Logs screen. Notifications/Alerts tab element descriptions... .608 System Logs screen, Informational tab element descriptions... . host query time-out The length of time that the Alinity h-series waits for a response from the host. calibrator A material of known characteristics that is used with a calibration procedure to adjust measurement accuracy. Tap Remove Printer. LYM IAS1 mean Displays graphical data for the mean LYM IAS1 optical signal. Procedure Displays the number and name of the selected procedure. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 87 Use or function Alinity system software overview 2. To delete the edits to the use settings and return to the Users screen, tap Cancel. NOTE: This procedure does not power off the modules. Displays the parameters to configure for leukopenia smear case 2. Page icon: Indicates that no subtopics are available Related information... One may have the Retic test and the other may not, or they both can have the same test setup. An Alinity h-series can be configured as: • One stand-alone automated hematology analyzer system. NOTE signal word Provides information that is relevant to the topic content. H. NOTE: There are two sets of incubation cups per Alinity hq module: Left and Right. When the button is selected and then a lane is selected on the screen, the lane becomes a STAT lane. RBC Interpretive Results area Displays the RBC parameters that can be added for high and low flagging of results. 569 Mechanical hazards... ..570 Physical hazards. Backup/Restore screen, page 245 Descriptions of screen elements, page 81 Create Backup flyout, the operator can select the types of operator can select the types of operator access levels: General operator logon An access level with an operator ID and PIN for the SCC and LUI that is used to display the current operator ID on various screens and to print the operation (Alinity hs), page 305 Alinity h-series Operation (Alinity hq), page 305 Alinity hq), page 305 Alinity hq), page 305 Alinity h-series Operation (Alinity hq), page 305 Alinity h-series (Alinity hq), page 305 Alinity h-series (Alinity hq), page 305 Alinity h-series (Alinity hq), page 305 Alinity hq), page 305 Alinity h-series (Alinity hq), page 305 Alinity hq), page 305 Alinity hq Principles of operation (Alinity hq) Principles of operation for the Alinity hq provide overview of cytometry and absorption spectrophotometry technologies to measure, count, and calculate hematological parameters in samples. Refresh Date/Time Displays the refreshed date and time of the version. • Restore a module configuration. Alinity hs Default Sample Processing area Specimen Type Displays a drop-down list that is used to select the specimen type. Alinity h-series Operation (Alinity hq) Section 3 Figure 71: CHC x Volume (RBC) Volume (RBC): RBC volume histogram RBC normally exhibit a Gaussian distribution of their volume. Configurable icons: Navigation elements that can be configured to provide navigation for common functions. Install Installs the selected files on the current screen. 14 Intended use... . Aspiration Timeout (Closed Tube) The system took more than 30 seconds from when resuspension stopped to when the closed-tube sample was aspirated. Create File screen, page 250 Precalibration checks (Alinity hq), page 886 Edit File screen, page 250 Precalibration checks (Alinity hq), page 886 Edit File screen, page 250 Precalibration checks (Alinity hq), page 886 Edit File screen, page 250 Precalibration checks (Alinity hq), page 886 Edit File screen, page 250 Precalibration checks (Alinity hq), page 886 Edit File screen, page 250 Precalibration checks (Alinity hq), page 886 Edit File screen, page 250 Precalibration checks (Alinity hq), page 886 Edit File screen, page 250 Precalibration checks (Alinity hq), page 886 Edit File screen, page 250 Precalibration checks (Alinity hq), page 886 Edit File screen, page 250 Precalibration checks (Alinity hq), page 886 Edit File screen, page 250 Precalibration checks (Alinity hq), page 886 Edit File screen, page 250 Precalibration checks (Alinity hq), page 886 Edit File screen, page 250 Precalibration checks (Alinity hq), page 886 Edit File screen, page 250 Precalibration checks (Alinity hq), page 886 Edit File screen, page 250 Precalibration checks (Alinity hq), page 886 Edit File screen, page 250 Precalibration checks (Alinity hq), page 886 Edit File screen, page 250 Precalibration checks (Alinity hq), page 886 Edit File screen, page 250 Precalibration checks (Alinity hq), page 886 Edit File screen, page 250 Precalibration checks (Alinity hq), page 886 Edit File screen, page 250 Precalibration checks (Alinity hq), page 886 Edit File screen, page 250 Precalibration checks (Alinity hq), page 886 Edit File screen, page 250 Precalibration checks (Alinity hq), page 886 Edit File screen, page 250 Precalibration checks (Alinity hq), page 886 Edit File screen, page 250 Precalibration checks (Alinity hq), page b. If signal drops are detected, the spike flag is set. The supervisor can enable or disable audio alerts. The results include the number of runs, means, standard deviations, and percentage coefficients of variations. Our cybersecurity controls were designed, developed, and implemented based on leading practices, regulatory guidance, and government agencies. Table 28: Specimen Stability (Alinity hq) Bias Limits Measurand WBC NEU 330 Units x 109 per liter x 109 per liter Bias Limits % Absolute Threshold 8.0 0.32 4.00 8.0 0.16 2.00 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Performance characteristics and specifications Specifications and requirements Section 4 Measurand Bias Limits Units 109 % Absolute Threshold LYM x per liter 8.0 0.16 2.00 MONO x 109 per liter 6.0 0.04 0.60 EOS x 109 per liter 10.0 0.04 0.40 IG x 109 per liter 10.0 0.04 0.40 IG x 109 per liter 5.0 10.00 200.00 PLT x 109 per liter 5.0 2.50 50.00 BASO *Based on upper limit of 95% Confidence Index of estimated bias. Vertical angle of the label must be ±5 degrees. • Shut down the module. To delete the changes to the automatic backup settings, tap Cancel. Test Displays a drop-down list that is used to select one of the following test types: CBC+Diff: Complete blood count with differential and reticulocyte Standard Deviation Displays a button that is used to apply All Displays a button that is used to apply the selected module reference values to all Alinity hq modules in the system. Whole blood specimensial • CBC+Diff+Retic: Complete blood count with differential and reticulocyte Standard Deviation Displays a button that is used to apply the selected module reference values to all Alinity hq modules in the system. are processed in Closed mode or in Open mode. NOTE: If the time-out is configured as zero, the system does not track inactivity. Navigation pane, page 31 Glossary tab is an element in the navigation pane that displays an alphabetical list of terms with definitions for those terms. Open Lanes Displays the number of available lanes on the module. Host-Interface Displays options that are used to configure the system to receive orders from and transmit results to a host computer: • On • Off (default) • HL7 • ASTM Query Timeout (Second) Displays the maximum time period that the system waits for the host computer to respond to a query. On the Installed Files tab, tap one or more procedure files to uninstall (or tap Select All). When a reagent data is suppressed. When a reagent bottle is replaced in the upper reagent drawer, or when diluent (Alinity hq) or Phosphate Buffer (Alinity hs) is replaced in the lower reagent drawer, the reagent information is entered and is stored in system logs on the Summary tab of the Reagents screen. Edit Modules screen. Edit Modules screen. Edit Modules screen. Edit Modules screen. increased to 5% during the study period and can be decreased to 3% when the target values are confirmed. RBC volume RBC cellular hemoglobin concentration (x-axis) vs RBC size (y-axis) is depicted here. Users screen, page 117 Set PIN flyout element descriptions In the Set PIN flyout of the Users screen, the system administrator can change a user PIN. Hydrodynamic focusing is used to align cells into a single-file passage through the sensing zone. Automatic Backup backup is performed daily. Confirm that calibration is stable and quality control results fall within the action limits during the data collection period. To copy the values from another configuration to the Parameters tab, perform the following steps: a. Conveyor: Moves racks are loaded on the Alinity hs module in lanes D, E, or F. • Load a reagent. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 93 Use or function Required consumables Section 1 Figure 38: HGB Reagent Related information... Alinity h-series Operations Manual 80000023-107 - 2019-09-03 327 Performance characteristics and specifications Specifications and requirements Section 4 Table 26: Carryover for WBC, RBC, HGB, PLT, and RETIC Parameter Specification WBC $\leq 0.5\%$ RBC $\leq 1.0\%$ PLT $\leq 0.5\%$ RBC $\leq 1.0\%$ PLT $\leq 0.5\%$ RETIC $\leq 1.0\%$ Codes. 632 General message codes (0001-0999) 632 Assay-specific message codes (1000-1999). 668 Maintenance and diagnostic message codes (2000-2999). .678 Level sense and fluidics message codes (3000-3999). Optics and bar code reader message codes (4000-4999). ..717 Robotics and sensor message codes (5000-5999) ..729 Support system message codes (6000-6999).. 748 Temperature message
codes (7000-7999). error volume level or the warning volume level, slide the Speaker Volume button to the left to decrease the volume. Actual results in individual laboratories may vary from these data. To display a list of related tasks, tap a category on the procedure map that is displayed in the topic pane. Tap Uninstall. Reagent inventory management, page 385 Reagent Status screen (LUI), page 394 New Reagent statuses, page 394 New Reagent screen (LUI), page 394 Drawers (Alinity hq), page 394 New Reagent screen (LUI), page 394 New Reagent screen (LUI), page 394 New Reagent screen (LUI) element descriptions On the Reagent screen (LUI), page 394 New Reagent module. Element Comment 390 Displays a text box that is used to edit a comment. Mean Displays the mean of a parameter of the sealed batch. Tap one or more rules to delete. The following icons are available: • Create Order (default) • Configure Alinity h-series Operations Manual 80000023-107 - 2019-09-03 179 Installation procedures and special requirements System configuration Section 2 NOTE: Only two icons can be configured at one time as shortcuts. Under the ASTM Communication screen, enter the following information: Alinity h-series Operations Manual 80000023-107 - 2019-09-03 179 Installation procedures and special requirements System configured at one time as shortcuts. 09-03 Installation procedures and special requirements System configuration Section 2 - IP Address - Port Number - Encoding 5. To save the column settings, tap Save. The screen is used to open a connection to the configured port and Internet protocol (IP) address for the ASTM host channel when the following conditions are met: • The host interface is configured for ASTM. As the sample is aspirated, the slide shuttle moves the slide into position for sample dispensing. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Conventions for the operations manual System documentation Table 4: Graphic conventions for the operations for the operatio in a graphic that are described in the legend. Duplex Displays a check mark if the printer is configured to print on both sides (duplex). To save the halt behavior settings and return to the Configure screen, tap Done. 13 Customer service. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 907 Glossary Workcell Master Controller Software that controls the rack transport within the Alinity h-series system. 759 Software message codes (9000-9999).. .770 Observed problems.. 829 User interface of a module (the LUI) does not respond. Access the Levey-Jennings (MA) screen. Title bar: Displays the title of the topic Toolbar: Provides elements for navigation Navigation pane: Provides an area to browse the operations manual content problem Topic pane: Displays the topic content Close button: Closes the operations manual Related information... The green stripe is located near tube position 1. ? Alinity h-series Operations Manual 80000023-107 - 2019-09-03 247 Installation procedures and special requirements Utilities screen 7. The slide shuttle then positions the slide under the smear tape cartridge, 463 Automatic Retic reagent priming (Alinity hg). System messages and flags (Alinity hq), page 295 Data invalidating flags (Alinity hq), page 299 Morphology flags (Alinity hq), page 301 Numerical result flags (Alinity hq), page 302 Optional flags (Alinity hq), page 303 Data invalidating flags (Alinity hq), page 299 Morphology flags (Alinity hq), page 301 Numerical result flags (Alinity hq), page 302 Optional flags (Alinity hq), page 303 Data invalidating flags (Alinity hq), page 304 Data invalidating flags (Alinity hq), page 305 Data invalidating flags (Alinity hq), page 305 Data invalidating flags (Alinity hq), page 304 Data invalidating flags (Alinity hq), page 305 Data inval hq) Data flags are notifications of potential problems with numerical results that originate from the software algorithm or sample characteristics. assay An analysis to determine the presence, absence, or quantity of one or more analytes. On the System Status bar of the Home screen, tap 19. Water circulates continuously through the WPS and each module, and water quality is monitored continuously. Calculation of each population is calculated by considering the dilution of the blood, the injection rate, and the measurement time descriptions IMPORTANT: By design, the WPS that is approved by Abbott Laboratories monitors water quality and communicates information about water quality to the Alinity h-series. Incubation cups: Prepare, mix, and incubate sample aliquots for analysis. FL1 Green fluorescence with a wavelength of approximately 530 nm. To copy target, range, or both targets and ranges from an existing QC file, perform the following steps: a. Text Size This function button is unavailable on this screen. If any of the results need to be confirmed with an alternative method. CLSI Document H26-A2. It may be spread through contaminated food or water. QC File Data area Category Displays QC file category options: • Parallel Study • Active • Inactive File Name Displays a text box that is used to edit the QC file name. • QC results fall outside the QC limits. 92 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Section 1 Use or function Required consumables Figure 37: Diluent Related information... If the use of color on the label is needed, a color band may be used outside the bar code portion of the label. Edit Comment flyouts Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Display additional information or menus, or are used for specific tasks such as search, print, and update. In the Source area, tap a source option: - If Copy From QC File is chosen, tap the source eliminates effects other than absorption by the sample (including scatter, reflection, and temperature change) that affect light transmission. Calculations are based on imprecision runs in which 32 replicate measurements were obtained from the blood collected from each donor, and the obtained results are presented in the following table. • Remove a printer. 110 Slide carrier rack (Alinity hs).... 111 Installation procedures and special Remove the USB flash drive. The following categories are displayed for maintenance procedures: • Daily • Weekly • Monthly • Quarterly • Semiyearly • Yearly • As Needed Status Displays the status of the file installation Optical RETIC tab ALL mean Displays the mean RETIC ALL optical signal. The default is 43.0%. Ensure that the system remains powered off for 1 minute. NRBC PLT (0.00 to 15.9) x 109 cells per liter 0.00 to 999. 545 Precautions during operation Quality control (Alinity hg), page 839 OC scheduler (Alinity hq), page 882 Run controls by closed-tube processing (Alinity hq), page 882 QC notifications (Alinity hq), page 883 QC scheduler. The Alinity hq analyzer module is indicated for use to identify patients with hematologic parameters within and outside of established reference ranges. Bar code print quality Use labels with an American National Standards Institute (ANSI) grade of A, B, or C. NEU ALL mean Displays graphical data for the mean NEU ALL optical signal. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 383 Operating instructions Home screen Section 5 Elements Status Displays the connection status for AbbottLink: Connected or Disconnected. In the Actions area, tap the Create Refex check box or the Create Refex check box or the Create Refex check box. 264 Test Displays the immature reticulocyte count per volume. To enter the start date, tap the calendar inside the box. Aliquot the specimen into the required number of empty (no anticoagulant) tubes. Enable Buffer Spike Displays a check box that is used to enable or disable the buffer spike for the selected stain protocol. Quality control (Alinity hq), page 839 Run a precision check, page 253 886 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Quality hg) Moving Average programs automatically following functions for sample processing: • Configure the specimen type, subtype, and test type for Alinity hq. Other IAS signals are used in measurements of RBC size and RBC hemoglobin concentration. On the LUI, tap Shutdown. 20. Name Displays the name of each patient limit set. IMPORTANT: It is recommended that the smear tape cartridge be placed in the laboratory environment for 24 hours before use. 295 Principles of operation (Alinity hs). Report Header area Logo Image Displays the selected logo image for the report. Required accessories, page 106 Open-tube processing, page 453 Glass slide holder (Alinity hs) Glass slide holders are accessories that hold a maximum of one pack of blank glass slides each. To find a word or phrase in the document, use the Find toolbar. Limit/Delta Check screen, Morphology Flags tab element descriptions, page 204 Descriptions of screen elements, page 81 Create Limit/Delta Check screen and Edit Limit/Delta Check screen, Morphology Flags tab element descriptions On the Morphology Flags tab of the Create Limit/Delta Check screen, the supervisor can configure the morphology Flags tab of the Create Limit/Delta Check screen, the supervisor can configure the morphology Flags tab of the Create Limit/Delta Check screen, the supervisor can configure the morphology Flags tab of the Create Limit/Delta Check screen, the supervisor can configure the morphology Flags tab of the Create Limit/Delta Check screen, the supervisor can configure the morphology Flags tab of the Create Limit/Delta Check screen, the supervisor can configure the morphology Flags tab of the Create Limit/Delta Check screen, the supervisor can configure the morphology Flags tab of the Create Limit/Delta Check screen, the supervisor can configure the morphology Flags tab of the Create Limit/Delta Check screen, the supervisor can configure the morphology Flags tab of the Create Limit/Delta Check screen, the supervisor can configure the morphology Flags tab of the Create Limit/Delta Check
screen, the supervisor can configure the morphology Flags tab of the Create Limit/Delta Check screen, the supervisor can configure the morphology Flags tab of the Create Limit/Delta Check screen, the supervisor can configure tab of the Create Limit/Delta Check screen, the supervisor can configure tab of the Create Limit/Delta Check screen, the supervisor can configure tab of the Create Limit/Delta Check screen, the supervisor can configure tab of the Create Limit/Delta Check screen, the supervisor can configure tab of the Create Limit/Delta Check screen, the supervisor can configure tab of the Create Limit/Delta Check screen, the supervisor can configure tab of the create Limit/Delta Check screen, the supervisor can configure tab of the create Limit/Delta Check screen, the supervisor can configure tab of the create Limit/Delta Check screen, the supervisor can configure tab of the create Limit/Delta Check screen, the supervi screen element descriptions (Alinity hg), page 900 Levey-Jennings (MA) screen element descriptions (Alinity hg) The Levey-Jennings (MA) screen displays a graphical representation of the data used in the Moving Average program. PSS mean Displays the mean RETIC PSS optional signal. 599 Related information... • Perform a manual backup of the SCC database to external media. Tap a Query Mode option. • A multimodule system that includes one or more Alinity hg automated hematology analyzer modules and may include one Alinity hs slide maker stainer module Label placement exceeds the vertical angle. Checksums if the selected bar code type supports it. Waste Configuration area Waste Options Displays the following options for checksums if the selected bar code type supports it. Waste Configuration area Waste Options Displays the following options for checksums if the selected bar code type supports it. the waste outlet options: • Lab Drainage (default) • 20 Liter Container Level Notification area Level Notification options: • 5 Liters The element is displayed only when the 20 Liter Container waste outlet option is selected. On the General tab of the Configure screen, tap Reports. The system location must meet environmental specifications and electrical requirements before the representative can install the system. From Current Runs Displays the following settings: • 2SD: Displays an option for two standard deviations from the current runs in the QC file. In the Status option. • In the topic pane or in the navigation pane, drag the scroll box up or down. In the Source area, tap Copy From QC File. Sample aspiration 4. Delete File Deletes the selected file. Add Printer flyout. The module automatically mixes the specimens and moves the tubes to the aspiration position. When QC processing is due, the system displays a notification. A blue line is displayed for the results from the left incubation block. • Destroys white blood cells to reduce interference. File Name Oisplays the name of the carryover file. Operator ID logged in when the reagent was added. - Tap No if the printed report are not identical. The status of supplies loaded on the system is indicated by the following colors: QC Status button 366 Green The status of the supplies and waste container is OK. Reagents screen, page 385 Edit Comment flyout element descriptions In the Edit Comment flyout, the operator can edit a comment. To save the sample-processing settings, tap Save. Print Prints the report on the selected printer. Minimum quiet zone of 5 mm (0.2 in.) at each end of the bar code symbol. Lane Status button Navigates to the Lane Status button Navigates to t entries and to display associated topic content. Tabs Organize content into separate views where only one view can be visible at a time. For the default setting, the check box is selected. Idle No connection is established with the host because there are no messages to send. Principles of moving average analysis (Alinity hq), page 888 Moving Average program operation (Alinity hq) Moving Average programs operate automatically and require minimal direct operation action when the programs are discarded. Graph Transmission Options are discarded to the host computer. For the carryover runs on the left incubation block, the system processes each of the six tubes first on the left incubation block. Bar code to identify the rack number and the specimen tube bar code to identify the rack number and the number and the specimen tube bar code to identify the rack number and the number the SID Gripper: Picks and places the sample tubes and racks in an Alinity hq module Related information... If a morphology flag is generated for a sample, review the results associated with the suggested pathology, which may be suspect or invalid. To delete the new tab, tap Cancel. Buffer bath: Helps develop the stain coloration Buffer wash bath: Rinses the excess stain off the slide Stain drying station: Dries the stained smears Empty carrier position Completed smeared or stained slides Related information... In the Edit Comment, To change Category, Module, Test, or Standard Deviation, make a new selection. Configure screen, General tab, page 115 Sample Processing screen, Alinity hg tab element descriptions, page 143 Configure default sample-processing settings with a factory-set stain protocol (Alinity hs), page 145 Configure a custom stain protocol (Alinity hq tab element descriptions The Alinity hq tab element descripting descriptions The Alinity column settings for each tab. Verify Printer Displays the Print flyout. The default setting is 5. Status button Folder name button Displays the status of the file installation. Tap a specimen type in the Specimen Type drop-down list. Daily Scheduler area Automatically run maintenance procedures at scheduled time Displays a check box that is used to configure the module for automatic daily runs of maintenance procedures. The Home link displays the home page of the operations manual. Place the tubes in positions 4, 5, and 6 of the same closed-tube rack. The WPS communicates with the SCC as part of the overall system. NEU: Neutrophil Displays the neutrophil count per volume. Parameters area Each element has a check box that is used to select the parameter. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 901 Quality control (Alinity hq) Section 11 HGB Displays graphical data for the hemoglobin concentration. Configure screen, Results tab, page 185 Patient Rules screen element descriptions, page 213 Configure patient rules, page 214 Limit/Delta Check screen, page 207 Result Details (Extended) screen element descriptions, page 494 Patient Rules screen element descriptions, page 207 Result Details (Extended) screen element descr Displays the expiration date for the reagent. The precision results can be filtered by selecting the WBC tab, the 256 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Installation procedures and special requirements Utilities screen Section 2 RBC/PLT tab, or the RETIC tab. The remaining available System menu commands can be found in the System menu on the menu bar. Tap one or more check boxes in the following areas to enable limit interpretive Results - PLT Interpretive Results - PLT Interpretive Results - REC .385 Reagents screen. .385 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 5 Table of contents Reagent Status screen flvout 383 Reagent inventory management (LUI) .392 Supply and waste inventory management. Numeric keypad Displays buttons that are used to enter the four-digit PIN for the operator ID. 841 Parallel ..841 Ranges for controls (Alinity hq).. analysis guidelines for new control lots (Alinity hg) again. 309 System messages (Alinity hs). IAS1 A side-scatter channel that measures the hemoglobin concentration of a red cell and the size of platelets. Current Software tab Module Displays the module name. On the Quality Control tab of the Configure screen, tap QC Settings. The status of the WPS. Sliders Display an indicator on a gauge that is used to select a value from a range of values. The scroll box indicates the position in the topic or in the table of contents. • Log on to the LUI of the module. The year a list of the available parameters for the specified Moving Average program: • WBC • %L • %N • MCV • HGB 232 Acceptance Range Lower Displays a text box that is used to enter the acceptance Range Lower Displays a text box. The system administrator can select the module type and the notification level for remaining tests for reagents. MCV 45.1 fL to
134. To return to the Carryover screen, tap Done. Returns the slide carrier with slides that are requested for smear test only to the slide carrier with slides that are requested for smear test only to the slide carrier with slides that are requested for smear test only to the slide carrier with slides that are requested for smear test only to the slide carrier with slides that are requested for smear test only to the slide carrier with slides that are requested for smear test only to the slide carrier with slides that are requested for smear test only to the slide carrier with slides that are requested for smear test only to the slide carrier with slides that are requested for smear test only to the slide carrier with slides that are requested for smear test only to the slide carrier with slides that are requested for smear test only to the slide carrier with slides that are requested for smear test only to the slide carrier with slides that are requested for smear test only to the slide carrier with slides that are requested for smear test only to the slide carrier with slides that are requested for smear test only to the slide carrier with slides that are requested for smear test only to the slide carrier with slides that are requested for smear test only to the slide carrier with slides that are requested for smear test only to the slide carrier with slides that are requested for smear test only to the slide carrier with slides that are requested for smear test only to the slide carrier with slides that are requested for smear test only to the slide carrier with slides that are requested for smear test only to the slide carrier with slides test on t Alinity hs module in the following sequence: 1. Specimen requirements, page 341 Minimum volume requirements in specimen tubes (Alinity hs) Standard vacutainer tubes 340 µL Pediatric microtainer tubes 160 µL Related information... Mix the controls before using them. Sample bar code label requirements, page 335 Sample bar code label placement Table 36: Sample bar code label placement Table 36: Sample bar code label placement of the tube and must be affixed to the tube in a ladder orientation where the printed bars are horizontal. The width of the widest element in the bar code is 0.254 mm (0.01 in.). Alinity h-series Operations Manual 80000023-107 - 2019-09-03 35 Operations manual description of the system may be performed before any testing is initiated. 610 System Logs screen, User Access tab .611 System Logs screen, Configuration tab element descriptions......612 System Logs screen, Host tab element descriptions.... The Alinity hq switches from an empty cubitainer to a full cubitainer without an interruption in module operation. On the Maintenance and Diagnostics tab of the Configure screen, tap Maintenance Scheduler. Sample rack: Holds the tubes for analysis. DSS mean Displays the mean RETIC DSS optical signal. Amber circle The instrument status for one or more modules is Idle, Initializing, Pausing, or Maintenance. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Installation procedures and special requirements System configuration Section 2 NOTE: The Configure command can be configured as an icon on the menu bar and thereby is removed from the system menu. Full Screen toggle button Perform this procedure to play an animation. Histograms are graphs that show the relative frequency of events of varying magnitude. The following list provides types and descriptions of calculation and display status flags: 302 No Calculation or Display Indicates when the result is not calculated or is not displayed. To delete a rule, perform the following steps: a. Under Rules on Host, type the number of seconds in the Reflex/Retest order wait timeout (Seconds) box. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 875 Quality control (Alinity hq) QC files (Alinity hq) Section 11 Update Target/Range area that is used to select the QC file from which to copy its target, range, or target and range. 471 Sample tracking. Permission to use the Information is granted, provided that: • the copyright notice appears on all copies; • use of the Information is for operation of ABBOTT products by Abbott trained personnel or informational use only; • the Information is not modified in any way; and • no graphics are used separate from accompanying text. 12 System security... RDW Displays the percentage of red cell distribution width. Actions Displays two check boxes for a patient rule. Optical WBC tab LYM ALL mean Displays graphical data for the mean LYM ALL optical signal. - Tap the Up Arrow button for a selected parameter to move its column one position to the left. Delta Check Absolute Displays text boxes that are used to enter an absolute delta check value for each parameter. A review of the LeveyJennings plots can also indicate if violations of Westgard rules have occurred. To enter the number of runs, type the number in the box or tap the Up Arrow and Down Arrow buttons. 462 Specimen retesting (Alinity hq)..... 619 Recover the module from a status of Stopped with dropped slides insid In the To box, enter a date. 7. 392 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Operating instructions Reagent inventory management Section 5 Elements Status bar Expiration Green The reagent status is OK. Red The module is in halt mode because the module (Alinity hs LUI) a halt mode condition failed or the module has an instrument status of Offline. Specimen type. QC Settings screen, page 227 Configure Westgard rules for the system. • Export one or more precision files. Each LAS rack holds a maximum of 10 specimen tubes. Tap a rule to edit. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Quality control (Alinity hq) Section 11 IAS mean Displays graphical data for the mean RETIC IAS optical signal. System cycle power, start, pause, and stop, page 346 Remove a capped specimen tube from the gripper (Alinity hq LUI), page 832 Remove a specimen rack from the gripper (Alinity hq LUI), page 833 Remove a specimen tubes in the loading area from the gripper (Alinity hq LUI), page 835 Start the module Required instrument status Stopped Perform this procedure to transition the instrument status of the module from Stopped to Initializing. The three incubation cups are arranged in an incubation block. NR/W Displays NRBCs per 100 WBCs. NRBC Displays the nucleated red blood cell count per volume. Principles of moving average analysis (Alinity hq), page 888 Establish the target value for Moving Average programs (Alinity hq) Each laboratory needs to confirm the default target values, if necessary. Play button 2. Supplies (Alinity hq), page 99 Replace a waste container (Alinity hq), page 411 Supplies (Alinity hs) The Alinity hs module uses supplies for sample processing. Events are located on the scatterplots based on the channel number for each of the two dimensions. Host settings Prerequisite HL7 communication or ASTM communication must be configured before the host interface type is selected. The IP address is configured as four decimal numbers. Histogram Displays the following options: • On • Off (default) Scattergram Displays the following options: • Small (256 x 256) (default) Graph Image Size [pixels] Displays the following options: • On • Off (default) Scattergram Displays the following options: • On • Off (default) Scattergram Displays the following options: • Small (256 x 256) (default) Scattergram Displays the following options: • On • Off (default) Scattergram Displays the following options: • On • Off (default) Scattergram Displays the following options: • On • Off (default) Scattergram Displays the following options: • Small (256 x 256) (default) Scattergram Displays the following options: • On • Off (default) Scattergram Displays the following options: • On • Off (default) Scattergram Displays the following options: • On • Off (default) Scattergram Displays the following options: • On • Off (default) Scattergram Displays the following options: • On • Off (default) Scattergram Displays the following options: • On • Off (default) Scattergram Displays the following options: • On • Off (default) Scattergram Displays the following options: • On • Off (default) Scattergram Displays the following options: • On • Off (default) Scattergram Displays the following options: • On • Off (default) Scattergram Displays the following options: • On • Off (default) Scattergram Displays the following options: • On • Off (default) Scattergram Displays the following options: • On • Off (default) Scattergram Displays the following options: • On • Off (default) Scattergram Displays the following options: • On • Off (default) Scattergram Displays the following options: • On • Off (default) Scattergram Displays the following options: • On • Off (default) Scattergram Displays the following options: • On • Off (default) Scattergram Displays the following options: • On • Off (default) Scattergram Displays the following options: • On • Off (default) Scattergram Displays the following options: • On • Off (default) Scattergra the graphs to display on the host computer. Users screen, page 117 120 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Installation procedures and special requirements System configuration Section 2 Create New User screen element descriptions Account Information area Operator ID Displays a text box that is used to enter the Operator ID of the new user. Function buttons Lower Displays the reagents for the lower drawer. NOTE: This element is only available on the X-B tab, WBC tab, PLT tab, and RETIC tab. Processing State of the LAS functionality: Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Uninitialized State Displays the processing State of the LAS functionality: Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Uninitialized State Displays the processing State Displays the The LAS functionality initialization
has not started. You're Reading a Free Preview Pages 902 to 912 are not shown in this preview. During Remote Support Instrument Screen Sharing, data is accessed and transferred on the basis of consent provided by the user at the point of each individual screen-sharing event. The icon is displayed when the specimen type is comm whole blood cal. On the Contents tab, tap a topic to display its content in the topic pane. Background icon (Alinity h-series and the cellular characteristics that are most strongly indicated by the measurements: Alinity h-series Operations Manual 80000023-107 - 2019-09-03 281 Principles of operation (Alinity h-series Operation (Alinity hq) ALL Size IAS Complexity PSS Lobularity DSS Granularity Section 3 These measurements are referred to as advanced multiangle polarized scatter separation (Advanced MAPSS) technology. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 371 Operating instructions Home screen Section 5 SCC button Displays the status of the LUI connections to the SCC. Specifications and requirements, page 318 Software data storage capacities Results files 100,000 result records Calibration files 100 total files that are composed of the following records: • 1000 calibration result records • 1000 calibration factor history records • 1000 calibration factor his orders System logs 100,000 records Reagent logs 10,000 records Related information... Alinity h-series hardware overview Section 1 • Manage calibration and review calibration factors. On the Sample Processing screen, tap the Common tab. Is Enabled Displays a check box to enable or disable the leukopenia smear case 2. Buttons with purple text are unavailable for use until a screen element is selected. In the Status area of the Edit User screen, tap one of the following options: - Tap Inactive to inactivate a user. < Lower Limit Interpretive Result Displays a check box that is used to enable or disable the lower limit flag for the selected parameter. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 217 Installation procedures and either displays the previously viewed screen or closes the flyout. The recirculated water is continuously monitored to ensure the appropriate water quality. To delete the changes made to the custom stain protocol, tap Cancel. section. The error falls outside the list of system messages for the Alinity hq. Module Displays the module serial number and the name if available of the carryover file. Tests Remaining Displays the maximum number of tests that can be performed with the current reagents on the system. Elements Host Type Displays the type of host communication interface: HL7 or ASTM. Whole Blood Specimens. 466 Process a specimen as .467 Lane Status screen. Check boxes Display a list of choices from which to select one or more items. Alinity h-series Operations STAT. .468 Lane Status screen element descriptions...... Manual 80000023-107 - 2019-09-03 237 Installation procedures and special requirements System configuration... Under Graph Selections, perform the following steps: a. The volume of the reagent is above the configuration... Under Graph Selections, perform the following steps: a. The volume of the reagent is above the configuration... Under Graph Selections, perform the following steps: a. The volume of the reagent is above the configuration... Under Graph Selections, perform the following steps: a. The volume of the reagent is above the configuration... Under Graph Selections, perform the following steps: a. The volume of the reagent is above the configuration... Under Graph Selections, perform the following steps: a. The volume of the reagent is above the configuration... Under Graph Selections, perform the following steps: a. The volume of the reagent is above the configuration... Under Graph Selections, perform the following steps: a. The volume of the reagent is above the configuration... Under Graph Selections, perform the following steps: a. The volume of the reagent is above the configuration... Under Graph Selections, perform the following steps: a. The volume of the reagent is above the configuration... Under Graph Selections, perform the following steps: a. The volume of the reagent is above the configuration... Under Graph Selections, perform the following steps: a. The volume of the reagent is above the configuration... Under Graph Selections, perform the following steps: a. The volume of the reagent is above the configuration... Under Graph Selections, perform the following steps: a. The volume of the reagent is above the configuration... Under Graph Selections, perform the following steps: a. The volume of the reagent is above the configuration... Under Graph Selections, perform the following steps: a. The volume of the reagent is above the configuration... Under Graph Selections, perform the following steps: a. The volume of the following steps: a. The volume of the following steps: a. The volume o Details Settings screen, page 194 Flagging Threshold screen, page 197 Limit/Delta Check screen, page 212 Interpretive Result Summary Views screen, page 212 Interpretive Result Summary Views screen, page 215 Result Summary Receiver Channel, type the port number. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Installation procedures and special requirements System button Displays a menu of commands. Printers screen, page 130 Add a printer Operator access level System administrator Alinity h-series Operations Manual 80000023-107 - 2019-09-03 133 Installation procedures and special requirements System configuration Section 2 Perform this procedure to add a printer. Data Capture Failure An error occurred when the data was collected or transmitted from the optics bench. Read me first, page 11 14 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Read me first Intended use The Alinity hs). This is done on the SCC by using the Alinity hs tab of the Sample Processing screen and selecting from MGG Protocol 2 through MGG Protocol 6 or WG Protocol 4 and any user-defined protocols. IG Displays the immature granulocyte count per volume. To save the edits to the tab position, tap Save. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Installation procedures and special requirements System configuration Section 2 If the Enable Buffer Spike check box is not enabled, the system does not use stain in the buffer bath. The status of the system maintenance is indicated by the following colors: Green Alinity h-series Operations Manual 80000023-107 - 2019-09-03 All required maintenance procedures have been performed. On the Create New User screen, enter the operator ID. The label must be 10 mm from the top of the tube. 886 Moving Average programs (Alinity hq) The average hemoglobin mass in red blood cells. bath Slide stain processing The smeared slide did not stay in the Fix Bath to within issue in Fix bath 10 seconds of the user-configured time. Required instrument status Stopped or Offline Perform this procedure to cycle power to the module, or to reset the system, to enable a setting that was changed for Retic analysis for the Alinity hq module, or to reset the system configuration. • Display spin boxes that are used to type text or to enter text by tapping the Up Arrow and Down Arrow buttons. %E: % Eosinophil Displays the percentage of eosinophil. Environmental specifications and requirements, page 323 Waste specifications and requirements in accordance with local, state, and national regulations that govern the treatment and disposal of medical waste. 622 Release materials ..624 8 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Table of contents Halt behavior (Alinity hq).. from the gripper (Alinity hs LUI). ..627 Recover a module from halt mode (Alinity hq)... Backup/Restore screen page 245 Precision screen Precision testing is mainly performed in preparation for calibration of the Alinity hq module. Alinit the following steps on the Result Summary Views screen: a. Elements Procedure Displays the number and name of the installed procedures and special requirements System configuration Section 2 • Edit the settings for patient rules. %E Displays the percentage of eosinophil. 124 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Installation procedures and special requirements System configuration... The Information... The Information is presented "AS IS" without warranties, either express or implied, and may include technical inaccuracies or typographical errors. In these operations are expressed and special requirements are expressed and special requirements are expressed and special requirements are expressed... The Information is presented "AS IS" without warranties, either express or implied, and may include technical inaccuracies or typographical errors. In the expression of the ex Edit Printer flyout, edit any of the following information: Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Installation procedures and system configuration Section 2 - Printer Type - Name - IP Address - Paper Size - Print on Both Sides 6. Supply water and system power must be continuously on to ensure that the WPS can filter water as necessary. NOTE: Do not add patient tubes to the rack. Operations manual use, page 38 Redisplay a topic that is viewed in the active Help session. Displays the number of availab lanes on the system. To display the navigation pane, tap the Toggle TOC button. Under Waste Configuration, tap a waste outlet option. The following list provides descriptions of screen elements: Icons Display a screen, page 186 Descriptions of Contact of methanol with sodium hypochlorite can generate methyl hypochlorite. 330 Comparability (correlation) of parameters (Alinity hq).... . • Configure graphs to print on the Reportable Results Report. 114 System installation.. . Operations manual use, page 38 Scroll through a topic or the table of contents Perform this procedure to move through content in a topic or
to move through the table of contents. If the Log On screen is displayed, proceed to step 2. Under Unit Format Selection on the Unit Format .243 Version Data screen. Legend: 1. This difference in light transmission is because of the absorption of light by the hemoglobin complex and is used to compute the hemoglobin concentration in the sample. If screen.. you have an ulcer, you may have a dull ache or burning pain in your stomach. laser power monitor (LPM) An optical signal that is measured at the LPM detector. Under Scheduler on the QC Settings screen, enter a time to schedule quality control in the Time box. System cycle power, start, pause, and stop, page 346 Shut down the module Prerequisite Sufficient reagent to perform the shutdown procedure. Operations manual use, page 38 Use the Toggle TOC button Perform this procedure to hide the navigation that defines the specifications for the transfer of information between laboratory instruments and computer systems. Result Summary Views screen, page 186 Configure columns on the Results screen Operator access level Supervisor Alinity h-series Operations Manual 80000023-107 - 2019-09-03 193 Installation procedures and special requirements System configure columns on the Results and special requirements System configure columns on the Results access level Supervisor Alinity h-series Operations Manual 80000023-107 - 2019-09-03 193 Installation procedures and special requirements System configure columns on the Results access level Supervisor Alinity h-series Operations Manual 80000023-107 - 2019-09-03 193 Installation procedures and special requirements System configure columns on the Results access level Supervisor Alinity h-series Operations Manual 80000023-107 - 2019-09-03 193 Installation procedures and special requirements System configure columns on the Results access level Supervisor Alinity h-series Operations Manual 80000023-107 - 2019-09-03 193 Installation procedures and special requirements System configure columns on the Results access level Supervisor Alinity h-series Operations Manual 80000023-107 - 2019-09-03 193 Installation procedures and special requirements System configure columns on the Results access level Supervisor Alinity h-series Operations Manual 80000023-107 - 2019-09-03 193 Installation procedures and special requirements System configure columns on the Results access level Supervisor Alinity h-series Operations Manual 80000023-107 - 2019-09-03 193 Installation procedures and special requirements System configure columns on the Results access level Supervisor Alinity h-series Operations Manual 80000023-107 - 2019-09-03 193 Installation procedures and special requirements System configure columns on the Results access level Supervisor Alinity h-series Operations Alinity h-series Operations access level Supervisor Alinity h-seri Results screen. Other symptoms of an ulcer are burping, bloating, nausea, vomiting and unexplained weight loss. To confirm the PIN, reenter it. ASTM Communication screen, the operator can view the following information: • Laboratory automation system (LAS) configuration options • Sender channel settings • Receiver channel settings and return to the Configure sender channel settings. To save the waste settings and return to the configure sender channel settings. To save the waste settings and return to the configure sender channel settings. graphical data for the mean RBC PSS optical signal. The worst-case scenario would be the development of stomach cancer due to an untreated H. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 257 Installation procedures and special requirements Utilities screen 258 Section 2 PLT Displays the platelet cell count per volume. LYM IAS mean Displays the mean LYM IAS signal at the detector. The default logo image is blank. Insert the USB flash drive. 292 Alinity h-series Operation (Alinity hg) Figure 73: Volume (PLT) ALL x IAS3 (RBC/PLT): Size vs. 480 Results . Based on how the Alinity hg has been customized, the system can stop automatically if the Westgard rules are violated or if a control result falls outside the limits. Function buttons Utilities Displays the Utilities screen. Alinity system software overview, page 79 90 Alinity screen h-series Operations Manual 80000023-107 - 2019-09-03 Use or function Required consumables are replenishable items that are needed for sample processing on the Alinity h-series. Parameter Displays a list of the available parameters for the specified Moving Average program: • LYM ALL mean • LYM IAS1 mean • LYM IAS2 mean • LYM IAS3 mean • LYM IAS dilutions enter the sensing zone of the optical flow cell, the cells interact with the laser beam. The slide moves through the smear-making process described by the following figure shows examples of the Alert Center flyout, status indicators, buttons, icons, and the System menu. Be sure to maintain an adequate inventory of supplies. The amount of light transmitted through the hemoglobin flow cell when it is filled with a lysed sample 2. Test Displays the test type of the precision file. From Current Runs 878 Displays the following settings: Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Quality control (Alinity hq) QC files (Alinity hq) Section 11 • 2SD: Displays an option for two standard deviations from the current runs in the QC file. • Configure limit sets, interpretive results, and Moving Average settings. A blank is displayed in the Result box. 557 Chemical . The total CV% from the multiple runs for each reportable parameter is compared to system precision specifications: • If the CV% for a parameter is less than or equal to the precision specification, the parameter is considered to be precise. 566 Sodium hypochlorite hazards ..567 Electrical hazards .. Auto-Transmit Options area Displays options that are used to configure the type of results that are transmitted to the host computer. Run Transitions the module from Stopped, Idle, or Pausing to stability Running or Processing. Create File Navigates to Create File screen. Update Status Displays the status of all procedure files that are available. System Logs screen. pylori bacteria may also be passed from one person to another through direct contact with fecal matter, vomit or saliva. If only one printer is configured, the system designates the printer as the default printer. issue in Stain bath Slide Stain processing The smeared slide was not stained due to a system failure to issue in Stain Baths fill the correct bath volume. Displays the overall status of supplies for all system modules. The Alinity h-series has a small, compact, and scalable design to help you adapt to day-to-day and long-term needs within your laboratory. To Displays a text box that is used to enter the export end date. To delete the edits to the QC file and return to the ...464 Load a closed-tube rack for sample processing...... . 464 Load specimen tubes in a closed-tube rack.. Specifications and requirements, page 318 System capacities System capacities include storage processing information for the software data. 463 Automatic WBC reagent priming (Alinity hg)... . Retic Reagent Displays the lot number of the Retic reagent used to process the sample. If a problem exists, the operator can attempt to isolate the cause to the control material, a procedural error, reagents, or the system operation. Function buttons Done Saves changes and either displays the previously viewed screen or closes the flyout. The label must be a minimum of 15 mm from the operations manual for the active screen. Sample Processing screen, page 140 Configure default sample-processing settings with a factory-set stain protocol (Alinity hs) Required instrument status Running Operator access level Supervisor Perform this procedure to configure default sample-processing settings for an Alinity hs module. Returns the slide carrier to the slide carrier rack Related information... Rules on Host Displays an option to select rules on host or the middleware system. The following table lists acceptable background concentration limits that must be met before the instrument is used. Range Displays text boxes that are used to edit the allowable ranges of the targets for the parameters of the control. For suspect results, the values are displayed in red. of the tube; sample not aspirated WBC Carryover* Alinity h-series Operations Manual 80000023-107 - 2019-09-03 A sample that has a low WBC count was flagged because the sample may have been affected by high WBC counts from the previous samples. Tap Export Files. The Alinity hq module transfers the RBC/PLT dilution from the previous sample that has a low WBC counts from the previous samples. Tap Export Files. green stripe visually differentiates a front-loading closed-tube rack from a laboratory automation ... Operator for the SC even when reticulocyte count has been ordered Figure 76: ALL X FL1 (RETIC/PLT) Related information... Operator for the SC even when reticulocyte count has been ordered Figure 76: ALL X FL1 (RETIC/PLT) Related information ... Operator access level • System administrator for the Alinity has module and the Alinity has module • Operator for the SC even when reticulocyte count has been ordered Figure 76: ALL X FL1 (RETIC/PLT) Related information ... Operator access level • System administrator for the Alinity has module and the Alinity has module • Operator for the SC even when reticulocyte count has been ordered Figure 76: ALL X FL1 (RETIC/PLT) Related information ... Operator access level • System administrator for the Alinity has module • Operator for the SC even when reticulocyte count has been ordered Figure 76: ALL X FL1 (RETIC/PLT) Related information ... Operator access level • System administrator for the Alinity has module and the Alinity has module • Operator for the SC even when reticulocyte count has been ordered Figure 76: ALL X FL1 (RETIC/PLT) Related information ... Operator access level • System
administrator for the Alinity has module and the Alinity has module a Perform this procedure to download a manual backup from the Alinity h-series. Stain baths: Fixes the smear and stains the slide. Stability Displays the number of days or hours left for onboard stability for the reagent. Although bar code labels with ANSI grades lower than C can provide valid reads, the number of no reads is higher and the possibility of misreads is increased. 604 View the probable cause and corrective action for a message..... To display the last topic that was viewed, tap the Back button 2. Yellow A maintenance procedure or a diagnostic procedure is in process and requires an operator response, or a scheduled automated maintenance procedure is past due. When a reagent is removed before its bottle or cubitainer is empty, the reagent can be reloaded. 554 Safety icons... 555 Biological ...557 Precautions.... ... Alinity h-series Operations Manual 80000023-107 - 2019-09-03 369 Operating instructions Home screen Section 5 Eject Racks Ejects all racks in the module. ASTM Communication hazards. screen, page 174 Descriptions of screen elements, page 81 ASTM Communication screen, Connection Tests flyout element descriptions The Connection Tests flyout displays the results of ASTM communication screen, Connection Tests flyout element descriptions of screen elements, page 81 ASTM Communication screen, Connection Tests flyout element descriptions The Connection Tests flyout element descriptions of screen elements, page 81 ASTM communication screen, Connection Tests flyout element descriptions The Connection Tests flyout element descriptions of screen elements, page 81 ASTM communication screen, Connection Tests flyout element descriptions The Connection Tests flyout element descriptions and service names appearing in this Internet site are trademarks owned by or licensed to Abbott, its subsidiaries or affiliates. • Configure a printer as the default. Printer Queue flyout provides information about individual jobs in the printer Queue for the selected printer. The IP address is configured as four decimal 177 Installation procedures and special requirements System configuration Section 2 numbers. Scheduler area Time Displays a spin box that is used to enter a scheduled time for quality control runs. The number of notification messages in the Alert Center display next to the notification badge. 367 Operating instructions Home screen Section 5 Yellow A maintenance procedure or a diagnostic procedure is in process and requirements, page 341 Minimum volume requirements in specimen tubes (Alinity hq) Table 38: Minimum volume requirements in specimen tubes 340 µL Pediatric MAP tubes 250 µL Pediatric microtainer tubes 160 µL Related information... Under Westgard Rules on the Whole Blood Specimen tab, tap the check box for a rule to enable the rule. LYM IAS2 mean Displays graphical data for the mean Displays graphical data fore Utilities screen, tap Version Data. Reports screen, page 136 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 139 Installation procedures and special requirements System configuration Section 2 Configure Auto Print settings for automatic printing and to enable or disable automatic printing. Reagents (Alinity hs), page 96 Replace a reagent bottle in the upper reagent drawer by using the LUI, page 397 Phosphate Buffer (Alinity hs) The Phosphate Buffer provides the following functions: • Maintains optimal pH for staining that contributes to the reliability of the stain quality. Optical WBC tab LYM ALL mean Displays the mean LYM ALL optical signal. Version Data screen, page 243 Descriptions of screen elements, page 81 View the version data on the SCC. The RBC distribution width (RDW) is calculated from standard deviation (SD) and the mean (MCV), and shows RBC size and the degree of anisocytosis (RDW). Be sure to maintain an adequate inventory of required accessories. IMPORTANT: In many jurisdictions, the Alinity hs waste is considered flammable. Users screen, page 117 Edit User screen element descriptions Elements 122 Operator ID of the user. Subtype Displays a drop-down list that is used to select the subtype. Wait for a blank screen to display on the LUI. Organization of the operations manual, page 28 Operations manual, page 28 Operations manual description, page 30 Operations manual use, page 38 Procedure map description, page 45 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 25 Organization of the operations manual System documentation • • Content organization and conventions Use of the measurements into results Slide smearing and staining technology • Section 5: Operations and requirements Section 5: Operations and requirements and requiremen limitations Operational requirements, precautions, and limitations to ensure optimal operator safety and accurate test results Section 8: Hazards Hazard and safety information Section 9: Service, maintenance and diagnostics • • • Section 10: Troubleshooting 26 • • Procedures for maintenance and diagnostics Description of maintenance and diagnostic procedures Procedures for component replacement Troubleshooting basics Probable causes and corrective actions for message codes and observed problems Section 11: Quality control System quality control system and cause of errors Revision history History of revisions to the operations manual Glossary Alphabetical listing of terms that are used in the operations manual Society Alphabetical listing of subject matter with references to the location of information Related information... An H. Precision File Data area File Status Displays the file status options: • Enabled • Disabled File Name Displays a text box that is used to edit the precision file name. Amber circle One or more supply items have reached or exceeded the configured low alert setting. Principles of moving average

analysis (Alinity hq), page 888 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 889 Quality control (Alinity hq) Refer to the following guidelines to set up other Moving Average programs: • Use the default acceptance range for parameters in the other Moving Average programs. The following guidelines can help to isolate a problem with controls: • Review QC file information. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Installation procedures and either displays the previously viewed screen or closes the flyout. • Enable RUO parameters. Sample Processing screen, page 140 Sample Processing screen, page 142 Configure common sample-processing screen, page 140 Sample Processing s configure common sample-processing settings for the system. 81 Menu bar... .. On the Precision screen, tap the row for the precision file to delete. To return to the QC Files screen, tap Done. Use the Left Arrow or Right Arrow button to configure the month and year, and then tap the day. Print Options area Print Location Displays a drop-down list of the printers that are available for printer verification. Specification, Alinity hq results for RBC, HCT, MCV, RDW, HGB, MCH, MCHC, NRBC, NR/W, Retic, %R, PLT, MPV, and IRF were compared with CELL-DYN Sapphire data. CAUTION: Many of the consumables used with the Alinity h-series are mixtures of chemical substances. System cycle power, start, pause, and stop, page 346 Edit a module. Tap the appropriate USB flash drive. 160 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Installation procedures and special requirements System configuration Section 2 Automatically for Daylight Saving Time. Each sample is dispensed into three incubation cups: WBC cup, RBC cup, and HGB cup. Operations manual use, page 38 Resize, move, and close the operated. Edit File screen, page 254 Delete a precision file Perform this procedure to delete a precision file. Log on to each module LUI. The laser generates a vertically polarized beam at a wavelength of 488 nm that interacts with the sample dilution to create light scatter and fluorescence. Under Parameter Reference Values on the Edit QC File screen, tap UpdateTarget/Range. It has a round or slightly indented nucleus and does not have granules in the cytoplasm. The entire population of RBC is shown, and hyperchromia, and hyperchromia, and hyperchromia, and hyperchromia is visualized by four fixed thresholds that define hypochromia. .273 Measurement techniques (Alinity hg).. microcytic (< 60 fL) and macrocytic (>120 fL) RBC. 270 Sample analysis cycle overview (Alinity hq)... . Learning to use the operations manual helps to save time, avert trouble, and confidently operate the system. IAS2 A sidescatter channel that measures the size of red cells. It is recommended that each laboratory confirms the default values and, if necessary, establish its own target values for the red cell indices. If 10 runs are used to verify the precision, it is recommended to aliquot the specimen into three tubes. Version number of the component. Maximum bar code symbol length is 41 mm (1.6 in). On the LUI menu bar, tap System, and then tap Utilities. Table 18: WPS specifications Total recirculation loop Maximum of 26 m (85 ft) Delivery pressure 90 psi (6.0 bar) Delivery temperature Typically ambient + 3°C maximum Reservoir volume 20 L nominal The following table describes the typical water use profile of the WPS assuming that the following information is applicable: • CBC+Diff = 300 tests per day • WPS usage = 6 days per week • 35 mL per test Table 19: WPS typical water use profile 322 Daily test volume 10.5 L Daily cleaning volume 1.42 L Weekly decontamination volume per number of days 0.86 L Total water demand per day 12.7833 L Water per year 3988 L Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Section 4 Performance characteristics and specifications Specifications Specifications and requirements WPS units that operate at higher demand flows. The QC file can be inactivated when the control is not in use or the control is expired. IMPORTANT: On the Result Details screen, invalid data is displayed in red and marked with a red "X". In the Module area on the Flagging Threshold screen, invalid data is displayed in red and marked with the Alinity h-series modules. To edit the start time, use the system configured format (HH:MM) and type the time in the box or tap the Up Arrow and Down Arrow buttons. The operator can perform the following functions: • Cancel pending transmissions. On the General tab of the Configure screen, tap Modules. Disable Disconnects the host communication interface. Interpretive Results Enable or disable lower limit interpretive results and upper limit interpretive results for WBC, RBC, RETIC, and platelet parameters. 270 Specimen-processing sequence (Alinity hq)..... ... • Enable or disable the Westgard rules for commercial controls and whole blood specimens. Red One or more parameters for the module. 300 Alinity h-series Operation Structure for the module. 300 Alinity h-series Operation (Alinity h-g) Section 3 Related information... To specify the playback position of the animation, tap a point on the timeline to move the Seek button to that position. Screen header Home/System name Displays the screen title. Resuming Indicates that the module has received a user run command and is preparing to process the specimens after an Idle status. precision file. OC Result Data Views screen, page 248 Rename Tab flyout, the operator can rename a tab on the OC Result Data Views screen. • View the printer gueue. To save the edits to the comment and close the flyout, tap Done. Alinity h-series An Alinity h standalone or a multimodule system that includes one or more Alinity hg modules and may include an Alinity hs module. To delete the general settings, tap Cancel. On the Gene 3 bars and 3 spaces. In the HCT (%) box, enter the HCT value as a percentage. MCH Mean cell hemoglobin. To view the precision results for a module, tap bene. To cancel the carryover run, tap Cancel. Rack/Tube Displays the rack ID and the tube position. If the mean for a batch is outside the action limits, a notification is displayed. Under Parameter Reference Values, tap Update Target/Range. To copy the settings from another configuration to the MultiPuncture Tube check box. 170 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Installation procedures and special requirements System configuration... To save the new tab, tap Done. Reagent inventory management, page 385 Reagents screen, Current tab element descriptions, page 386 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 385 Operating instructions, page 389 Export Reagents screen, Summary tab element descriptions, page 389 Export Reagents screen, Summary tab element descriptions, page 390 Edit Comment flyout element descriptions, page 389 Export Reagents screen, Summary tab element descriptions, page 389 Export Reagents screen, Summary tab element descriptions, page 389 Export Reagents screen, Summary tab element descriptions, page 389 Export Reagents screen, Summary tab element descriptions, page 389 Export Reagents screen, Summary tab element descriptions, page 380 Export Reagents screen, Summary tab element descriptions, page 389 Export Reagents screen, Summary tab element descriptions, page 380 Export Reagents screen, Summary tab element descriptions, page 380 Export Reagents screen, Summary tab element descriptions, page 380 Export Reagents screen, Summary tab element descriptions, page 380 Export Reagents screen, Summary tab element descriptions, page 380 Export Reagents screen, Summary tab element descriptions, page 380 Export Reagents screen, Summary tab element descriptions, page 380 Export Reagents screen, Summary tab element descriptions, page 380 Export Reagents screen, Summary tab element descriptions, page 380 Export Reagents screen, Summary tab element descriptions, page 380 Export Reagents screen, Summary tab element descriptions, page 380 Export Reagents screen, Summary tab element descriptions, page 380 Export Reagents screen, Summary tab element descriptions, page 380 Export Reagents screen, Summary tab element descriptions, page 380 Export Reagents screen, Summary tab element descriptions, page 380 Export Reagents screen, Summary tab element descriptions, page 380 Export Reagents screen, Summary tab element descriptions, page 380 Export Reagents screen, Summary tab element descriptions, page 380 Export Reagents screen, Summary tab element descriptions, page 380 Export Reagents screen, Summary tab element descriptions, page 380 Export Reagents screen, Summary tab element descr 390 Export the reagent summary log, page 391 Edit the comment for a reagent, page 391 Precalibration checks (Alinity hq), page 522 Reagents screen, Current tab displays the reagent inventory information for items loaded in the reagent drawers of the module. 628 Message It is accessed from the system software. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 351 Operating instructions System cycle power, start, pause, and stop Section 5 NOTE: When the main power switch is moved to the OFF/O position, the AC power to the main uninterruptible power supply (UPS) is removed. New PIN (a new four-digit PIN for the selected operator ID) c. Each topic contains an expandable list of tasks that are related to a procedure map category or a laboratory-related activity. Configure screen, General tab, page 115 Unit Format screen element descriptions, page 148 Configure a unit format, page 150 Unit Format screen element descriptions On the Unit Format screen, the supervisor can configure the unit format screen for the selected precision file. The IAS3 channel is used to distinguish platelets from red cells and platelets from noise Yellow One of the modules in the Alinity h-series is not running or one module is restricting incoming racks due to upcoming scheduled maintenance. Moving Average
Program area Displays the following check boxes to enable or disable halt behavior for moving average programs: • X-B • WBC • RBC • PLT • RETIC Function buttons Done Saves changes and either displays the previously viewed screen or closes the flyout. NOTE: Information that is entered on the Parameters tab must be saved for the Morphology Flags tab to become active. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 123 Installation procedures and special requirements System configuration 1. The system can be configured to stop when two consecutive batches are outside the action limits. Specimen Type Displays an icon for the result. Flagging Threshold Configure a sensitivity level for result flags. 559 General precautions...... %N Displays the percentage of neutrophil 561 Hazards to reproductive health.. Lane Status icon Navigates to the Lane Status screen. MPV Displays graphical data for the mean platelet volume. To return to the Morphology Flags tab, tap Done. Section 2 23. - Tap to clear the check box to remove a demographic as a column. Subtype Displays the specimen subtype. This approach is extended on the system by applying algorithms similar to those of Dr. Bull for moving average is indicated by the following colors: Green All parameters means for the sealed batches are within the target range. Configure screen, General tab, page 115 Users screen element descriptions, page 122 Edit User screen element descriptions, page 122 Edit a user, page 123 Inactivate or activate a user, page 124 Set PIN flyout element descriptions, page 125 Manage user PINs, page 125 Users screen element descriptions. NOTE: A maximum of 12 graph selections can be saved for each test option. To save the edits to the Westgard rule settings, tap Save Under Print Options, choose a printer or tap Print to File in the Print Location drop-down list. Numerical result flags (Alinity hq), page 302 Calculation and display status flags are displayed if the system cannot calculate or display reliable results, if the results are outside the Analytical Measurement Range (AMR), or if system calculations have not been performed. Result Summary Views screen, page 186 Change the position on the Results screen of the tube; sample not aspirated Sample Processing Incomplete Fault that indicates the sample processing was incomplete due to user action. However, if 50 percent or more events are too high or too low, the algorithm flags the data as invalid. Precision screen, page 248 Descriptions of screen elements, page 81 Export Files flyout element descriptions of screen elements, page 81 Export Files flyout element descriptions of screen elements, page 81 Export Files flyout element descriptions of screen elements, page 81 Export Files flyout element descriptions of screen elements, page 81 Export Files flyout element descriptions of screen elements, page 81 Export Files flyout element descriptions of screen elements, page 81 Export Files flyout element descriptions of screen elements, page 81 Export Files flyout element descriptions of screen elements, page 81 Export Files flyout element descriptions of screen elements, page 81 Export Files flyout element descriptions of screen elements, page 81 Export Files flyout element descriptions of screen elements, page 81 Export Files flyout element descriptions of screen elements, page 81 Export Files flyout element descriptions of screen elements, page 81 Export Files flyout element descriptions of screen elements, page 81 Export Files flyout element descriptions of screen elements, page 81 Export Files flyout element descriptions of screen elements, page 81 Export Files flyout element descriptions of screen elements, page 81 Export Files flyout element descriptions of screen elements, page 81 Export Files flyout element descriptions of screen elements, page 81 Export Files flyout element descriptions of screen elements, page 81 Export Files flyout element elements, page 81 Export Files flyout element ele drive. NOTE: A bracket behind the screen can pivot up and down to adjust the height of the monitor. The problems may cause suppressed or invalid results. Four circles Indicate the entry of the four-digit PIN. The module must be initialized to return to Running status. In the Search tab, results are ranked according to the frequency of the search term or terms found in each topic. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 141 Installation procedures and special requirements System configuration Text Size Section 2 This function button is unavailable on this screen. On the Retest/Reflex tab of the Edit Limit/Delta Check screen, the supervisor can edit patient rule settings for a patient limit set group. The externally prepared smear option is available for whole blood smears. Module (Alinity hg), page 54 Drawers (Alinity hg), page 54 Drawers (Alinity hg) Two drawers on the front of the Alinity hg) and the lower reagent drawer. Elements Lot Displays a text box used to enter the supply lot number of the reagent. On the Reagents screen, tap the Summary tab. Move the main power switch to the ON/I position on the modules. Function buttons 132 Done Saves changes and either displays the previously viewed screen or closes the flyout. Figure 80: Smear-staining process Legend: 1. water purification system Monitors the water quality and communicates information about water quality hq), page 302 Limit set flags (Alinity QC limits for a sample that has been configured by the operator. Collect a minimum of 5 mL of blood from one donor. 176 2. One of the following sender channel status and the date and time the status was updated. QC Result Data Views screen, page 219 Descriptions of screen elements, page 81 Descriptions of specimen type icons, page 191 Add Tab flyout, the operator can add a tab to the QC Result Data Views screen and the Precision Results screen. One of the following statuses is displayed for each module: Normal 382 The rack transport is operating normally into and out of the module. Required instrument status Offline, Stopped, or Idle Perform this procedure to cycle power to the system components, to store configuration information, or to troubleshoot the system. the Sealed Batches screen. SID Displays the SID. The following tabs are also available on the Results screen: • WBC • RBC/PLT • RETIC The operator can configure more tabs to be available on the Results screen. The accepted range is from 15% through 60%. General area 126 Username Displays the configure more tabs to be available on the Results screen. Operations Manual 80000023-107 - 2019-09-03 39 Operations manual use System documentation Figure 9: Scroll bars Legend: 1. NOTE: This element is displayed only when Parameter is selected in the Criteria drop-down list. To delete the audio settings, tap Cancel. For each assay (RBC/PLT, RETC, and WBC), a different algorithm technique is used to obtain the best results. Module (Alinity hq), page 54 Reagent Status screen (LUI), page 392 Precalibration checks (Alinity hq) Internal components for the Alinity hq perform sample-processing activities from specimen resuspension to final measurement, and transport specimens to other Alinity h-series modules in the system. Acceptance criteria for carryover are defined in the following table. System configuration, page 126 Bar Codes screen, page 126 Bar Codes screen, page 126 Bar Codes screen, page 128 Printers screen, page 126 Number 200 Printers screen, page 128 Printers screen, page 128 Printers screen, page 126 Bar Codes screen, page 12 (Alinity hq), page 151 Lane Setup screen, page 152 Modules screen, page 154 116 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Installation procedures and special requirements System configuration Section 2 Users screen, the operator can view the following information for users that have been created on the system: • Operator ID • First and last names • Access level • Status • Date on which a user was created The system administrator can perform the following functions: • Create new users. On the Backup/Restore screen, tap Create Backup to save a wavelength and is emitted at a longer wavelength. Interpretive Results screen, page 215 Configure screen, Quality Control tab on the Configure screen; QC Result Data Views • Add, delete, or rename a tab on the QC screens. Tap the appropriate external drive and folder. Elements button Folder name button The Previous Folder button navigates to the previously selected folder. icon The icon is displayed when the specimen type is standard reference particle. To save the automatic backup settings, tap Cancel. • Configure the loggine the loggine type is standard reference particle. on screen time-out. MCHr: Mean Cellular Hemoglobin cells of Reticulocyte Displays the mean cell hemoglobin of the reticulocytes. Table 14: UPS operating time after 1 minute, but the UPS operates for 10 minutes to shutdown properly. Table 2: Number format conventions Description Use Comma in numbers that are greater than 9999 (for example, 10,000 specimens). Test Displays a drop-down list that is used to select the test type of the carryover file. IAS3 A side-scatter channel that is used to select the test type of the carryover file. NEU PSS mean Displays graphical data for the mean NEU PSS optical signal. The inflow of racks may come from the intramodular conveyors or from the laboratory automation ... Elements Name Displays the name of the patient limit set group. The status of the Rack Transport communication is indicated by the following button colors: 364 Green All Alinity h-series modules are available and the interface detects no errors. - In each Graph Selections drop-down list, tap a graph to display. Bar Codes • Enable and disable bar code types 314 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Principles of operation (Alinity hs) Section 3 Slide stain processing The smeared slide did not stay in the Stain Bath to within 10 seconds of the
user-configured time. Total Samples that have a status of Scheduled, Running or In Process. The LUI monitor is made to be adjusted without undue stress on the operator or on the LUI bracket. The optical flow cell accepts the sample dilution into a narrow stream within the sheath fluid. You're Reading a Free Preview Pages 31 to 36 are not shown in this preview. Commands configured as icons are not displayed in the menu. In the Add Printer flyout, enter the following information: - Printer Type - Name - IP Address NOTE: Use the following format for the type of printer. WBC Displays the white blood count results of a carryover run. WBC tab WBC Displays the white blood cell count per volume. Amber (steady) The glass slide holder is inserted and may be in use. Modules screen, page 154 Descriptions of screen elements, page 81 Edit Modules screen, page 154 Descriptions of screen elements, page 81 Edit Modules screen, page 154 Descriptions of screen elements, page 81 Edit Modules screen, page 81 Edit Modules screen elements, pag module: • The module type, the module ID, and the module serial number • The Internet protocol (IP) address of the module • The status of the Retic test A supervisor can perform the following functions: Alinity h-series Operations System configuration Section 2 • Edit the module type. Multi-Puncture Tube Displays a check box that is used to enable or disable the Multi-Puncture Tube setting. Shortcut icons. Statuses are indicated by the following colors: Green The reagent item has not yet exceeded the onboard stability. Panic Range Upper Displays text boxes that are used to enter an upper panic range value for each parameter. is configured to print on one side (simplex), no check mark is displayed. The laminar flow prevents any mixing between the sample stream and the sheath fluid. Automatic Backup screen, page 181 Halt Behavior screen, the supervisor can configure the halt behavior screen on the sample stream and the sheath fluid. control limit violations • Westgard rule violations. Upper Displays a text box that is used to enter the acceptance range upper for the specified parameter. Notifications are generated for system problems that do not require immediate attention. Halt Behavior screen, page 183 Configure screen, Results tab The operator can perform the following tasks from the Results tab of the Configure screen: Result Summary Views • Add, delete, or rename a tab. Tap Precision file. NOTE: The LUI powers off when the system software completes the shutdown. - An amber circle (notification) badge indicates system problems that require attention that is not immediate. The Alinity h-series System can be configured as: • One standalone automated hematology analyzer module at least one Alinity hs Slide Maker/Stainer module. - Tap an option in the Notification when Remaining Tests area. • At the top of the topic pane, tap a topic breadcrumb. The PSS signal helps to differentiate WBC with nuclear segmentation (high lobularity) from cells with simple, nonsegmented nuclei. Control analysis (Alinity hq), page 369 Recover a module from halt mode (Alinity hq), page 628 QC notifications (Alinity hq) QC notifications are displayed on the SCC Home screen image when the following situations occur: • Quality control needs to be performed. This action results in an erroneous SID without any error notification for an Order entry that was downloaded, or for the record that was received by the host. Status Displays the current status (Pending, Scheduled, Running, In Process, or Complete) of the test ordered. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 905 Glossary CSC logon Abbott Customer Service provides a user name and a temporary password to operators who call for assistance. Enter the created to date by tapping the calendar inside the box. On the Halt Behavior screen, tap the check box next to one or more quality control files and Moving Average programs to enable or disable the halt behavior. Under Orders Retention, tap an option for the number of hours to retain unprocessed orders. System cycle power, start, pause, and stop, page 346 Recover the module (Alinity hq LUI), page 618 Configure general settings, page 162 Power on the SCC. A message is displayed in the Alert Center. To save the edits to the morphology flag settings, tap Save. • Primes pumps and flow paths, and rinses the tubing and other components at the end of each cycle. Do not eat food that is undercooked. System faults occur because of problems caused by the Alinity hq module or the specimen. The default action limit for the red cell indices is 3%. NOTE: After a time is added to the list, tap the Add button to add time in 1-hour increments. On the front of the computer, press and release the power switch. The SID, the patient information, and the test selection are displayed on the Results screen. The status of reagent drawers is indicated by the following colors: Green The reag loading robot. • Select the details to display on the Results screen. Wash your hands after using the bathroom and before preparing food. MCV Displays the mean cell hemoglobin. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 159 Installation procedures and special requirements System . NOTE: The list of QC files in the File drop-down list is based on the selected specimen type and control level. Read me first, page 11 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 15 Proprietary configuration Section 2 • Configure the system name. 294 System messages and flags (Alinity hq)... statement Read me first Proprietary statement The Alinity h-series software programs and system documentation are protected by copyright (©2017, 2019 Abbott Laboratories, Abbott Park, Illinois). 114 System configuration. ASTM See American Society for Testing and Materials hq), page 899 Sealed Batches screen element descriptions (Alinity hq) Elements Module bar Displays buttons that are used to select a module. 74 Alinity h-series Ardware overview Section 1 Figure 16: Alinity hq module Legend: 1 NOTE: The status of slides with labels that were not scanned remain In Progress. Clear Alert Clears the alerts that were delivered to the LAS. When the results are determined to fall within the action limits, manually average the mean values for 20 batches and enter these averages in the Moving Average Setup screen. Navigation pane, page 31 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 33 Operations manual description System documentation Index tab is an element in the navigation pane that displays an alphabetical list of all index entries in the operations manual. L/R Block Displays options that are used to select the left or right incubation block for the selected module. The communication status between the WPS and SCC is shown on the SCC Home screen. Performance specifications, page 326 Short-term imprecision (%CV) of analytic results in a set of replicate measurements. • Verify a new printer. To delete the lane settings, tap Cancel. To return to the last topic (or tap the related information hypertext link for the topic (or tap the related information hypertext link for the topic (or tap the related information hypertext link for the topic (or tap the settings, tap Cancel. In the Rename Tab flyout, type a name in the Tab Name box. Sender Channel area Connection Type Displays the following options: • Active Transient (default) • Active Persistent IP Address Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Displays a text box that is used to enter the Internet protocol (IP) address when the Active Transient or Active Persistent option is selected. Status indicators: Indicate the status of each lane. Rule 4 (41s) Four consecutive values fall outside the same 1SD. Current Retic test: • Enabled The current condition is used to manage the Retic test: • Enabled The current condition is used to manage the Retic test: • Enabled The current condition is used to manage the Retic test: • Enabled The current condition is used to manage the Retic test: • Enabled The current condition is used to manage the Retic
test: • Enabled The current condition is used to manage the Retic test: • Enabled The current condition is used to manage the Retic test: • Enabled The current condition is used to manage the Retic test: • Enabled The current condition is used to manage the Retic test: • Enabled The current condition is used to manage the Retic test: • Enabled The current condition is used to manage the Retic test: • Enabled The current condition is used to manage the Retic test: • Enabled The current condition is used to manage the Retic test: • Enabled The current condition is used to manage the Retic test: • Enabled The current condition is used to manage the Retic test: • Enabled The current condition is used to manage the Retic test: • Enabled The current condition is used to manage the Retic test: • Enabled The current condition is used to manage the Retic test: • Enabled The current condition is used to manage the Retic test: • Enabled The current condition is used to manage the Retic test: • Enabled The current condition is used to manage the Retic test: • Enabled The current condition is used to manage the Retic test: • Enabled The current condition is used to manage the Retic test: • Enabled The current condition is used to manage the Retic test: • Enabled The current condition is used to manage the Retic test: • Enabled The current condition is used to manage the Retic test: • Enabled The current condition is used to manage the Retic test: • Enabled The current condition is used to manage the Retic test: • Enabled The current condition is used to manage the Retic test: • Status of the carryover file is not completed. Displays the LAS Connection Status flyout. When glass slides, slide label cartridges, or smear tape cartridges, or smear tape cartridges are removed before they are empty, they may be loaded on the same or a different module within the system. displayed. Red One or more maintenance procedures are overdue. Import Displays the Import From Assay File flyout to import a QC file from a USB flash drive. 509 Search for or filter data. ..509 Insert and remove a USB flash drive .510 If the system is configured for a password-controlled logon, the challenge ID and password controlled logon is used. Tap a Test option. Under Stain Protocol, tap a custom stain protocol from the Protocol drop-down list. Tap Add Tab. The Alinity hq module uses clinical laboratory reagent water. • Apply: Displays a button that is used to apply the Update Target/ Range settings to the existing QC file. Maintenance procedures to run automatically at a scheduled time. Critical Sample Processing Error An error occurred that caused the instrument to stop all processing. On the Results tab of the Configure screen, tap Result Details Settings. If the system generates an error for the WPS has not generated an error for the WPS has not ge the QC file. When reagents are removed before they are empty, they may be loaded on the same module within the system. Graph Selections Displays four drop-down lists that are used to select the graphs to display on the Reportable Results Report. Principles of operation, page 269 Specimen-processing sequence (Alinity hs), page 305 Smear-making process (Alinity hs), page 308 Smear-staining process (Alinity hs), page 309 System messages (Alinity hs), page 314 Specimen-processing sequence: 1. The purple stripe is located near tube positions 1 and 10. Result Details Settings screen, page 194 Change a graph on the Result Details screen (Alinity hq), page 501 Flagging Threshold screen On the Flagging Threshold screen, the supervisor can configure a sensitivity level for the flagging threshold. Affix the three high bar code labels to the three high moves through two measurement subsystems where parameter measurements are performed: • Optical flow cell • Hemoglobin flow cell • Alinity h-series Operation (Alinity hq) Section 3 NOTE: Sample and reagent volumes are stated as nominal volumes. In the topic pane, tap a related information hypertext link. On the Create File screen, enter the data. Label print quality is an important factor that affects the functionality of the bar code reader to correctly decode label information. MCV: Mean Cell Volume of RBCs. MCH: Mean Cell Hemoglobin Displays the mean cell hemoglobin. WBC Displays the white blood cell count per volume. Displays the moving average status. The module primes the fluids, homes the motor control systems, establishes the communications, and runs the automatic startup tests. of Abbott Laboratories. RETIC: Reticulocyte Displays the reticulocyte cell count per volume. Diluent Reagent Pump During sample processing, an error occurred with the diluent for sample processing, an error occurred with the diluent for sample processing. action. cubitainer A 10 liter box container to store Alinity h-series Phosphate Buffer and Diluent reagents. RBC Displays the RBC results of a carryover run. For optimal performance, use only black bars on a white background for the graphs to display on reports. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 107 Use or function Required accessories Section 1 Figure 52: Laboratory automation... Empty Reagent Bottles Displays the number of empty reagent bottles on the module. Slides are transported to reagent baths for the defined period of time according to the configured stain protocol. Clinical and Laboratory Standards Institute (CLSI). NOTE: If there are unused slide carriers in the rack, the operator must eject the rack manually. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Installation procedures and special requirements System configuration Section 2 3. However, the maximum number of readable characters may be less than 20 for some symbologies because of the overall label length, the narrow bar width, and the ratio. System Language Displays a drop-down list that is used to select the system language. 442 Specimen analysis (Alinity Under Report Header on the Reports screen, perform the following steps to configure the logo image for the report: NOTE: When the report header. The dilution is mixed On the Alinity hq, the Supplies screen displays whether a waste container is being used and the fill level of the waste container that is used. Host Connection Status flyout, page 377 Enable or disable the host connection Status flyout, page 377 En the host. Carryover screen, page 259 Descriptions of screen elements, page 81 New Carryover screen On the New Carryover file. Test Displays test options for graph selections: CBC+Diff+Retic 168 When this test option is selected, 47 graph check boxes are displayed. The Home button navigates to the selected USB external media. International Council for Standardization in Hematology: prepared by the ICSH Expert Panel on Cytometry. The ratio is used as a quantitative measure of the flow cell cleanliness. System configuration, page 235 Maintenance Scheduler screen, page 239 Maintenance Scheduler screen, page Install/Uninstall Procedures screen On the Install/Uninstall Procedures screen, the supervisor can perform the following functions: • Install maintenance procedures. Version Data screen (LUI), page 267 268 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Section 3 Principles of operation Introduction The Alinity hq uses flow cytometr and absorption spectrophotometry technologies to measure, count, and calculate hematological parameters in samples. Levey-Jennings graph A visual presentation of data points from multiple runs for one parameters in samples: • Display another screen or flyout. • Perform a manual backup of a selected Alinity hq module configuration to external media. Table 30: Method comparison between Alinity hq module configuration to external media. Table 30: Method comparison between Alinity hq module configuration to external media. Table 30: Method comparison between Alinity hq module configuration to external media. Table 30: Method comparison between Alinity hq module configuration to external media. MCV (fL) 45.1 - 118 991 0.98 1.0 N/A* RDW (%) 8.72 - 29.3 991 0.88 1.0 -1.6 332 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Performance characteristics and
specifications Specifications Specifications Specifications Annual 80000023-107 - 2019-09-03 Performance characteristics and specifications Specifications Specifications Specifications Manual 80000023-107 - 2019-09-03 Performance characteristics and specifications Specifications Specifications Specifications Specifications Manual 80000023-107 - 2019-09-03 Performance characteristics and specifications Specifications Specifications Specifications Manual 80000023-107 - 2019-09-03 Performance characteristics and specifications Performance characteristics and spe N/A** MCH (pg) 12.8 - 41.0 985 0.97 1.0 0.6 MCHC (g/L) 278 - 404 985 0.67 0.8 87 0.00 - 6.11 962 0.93 0.9 0.0 NR/W (%) 0.00 - 153 961 0.98 0.9 1.0 -1.1 MPV (fL)**** 5.20 - 12.9 806 0.74 1.1 N/A*** 1.18 - 458 986 0.97 1.0 6.2 % R (%) 0.12 - 18.5 985 0.98 1.0 0.2 IRF 0.05 - 0.69 980 0.92 1.0 0.00 NRBC (x 109/L) 4.25 - 1692 945 0.99 1.0 -1.1 MPV (fL)**** 5.20 - 12.9 806 0.74 1.1 N/A*** 1.18 - 458 986 0.97 1.0 6.2 % R (%) 0.12 - 18.5 985 0.98 1.0 0.2 IRF 0.05 - 0.69 980 0.92 1.0 0.00 NRBC (x 109/L) 109/L) RETIC (x * Bias is -0.1 at 80 fL and -0.1 at 100 fL ** Bias is -0.20 at 80.0 g/L *** Bias is -0.22 at 7.0 fL and 0.33 at 12.0 fL **** Calculated on samples with PLT count of \geq 100 x 109/L Table 31: Method comparison between Alinity hq and Sysmex XN Parameter Range tested (SI units) N Correlation coefficient (r) Slope y-intercept WBC (x 109/L) 0.06 - 328 384 1.00 1.00 0.0 NEU (x 109/L) 0.52 - 38.9 271 1.00 1.0 0.0 LYM (x 109/L) 0.02 - 6.47 287 0.99 1.0 0.0 0.11 - 3.61 287 0.99 1.0 0.0 0.11 - 3.61 287 0.99 1.0 0.0 0.11 - 3.61 287 0.99 1.0 0.0 0.00 - 2.45 271 0.72 0.4 -0.0 %N (%) 23.0 - 92.6 271 0.99 1.00 0.7 %L (%) 0.87 - 64.6 287 1.00 1.00 0.1 %M (%) 1.40 - 60.8 288 0.99 1.0 0.1 %E (%) 0.00 - 26.0 316 0.99 1.0 0.0 %B (%) 0.00 - 8.47 324 0.52 1.0 -0.2 %IG (%)* 0.00 - 8.70 271 0.65 0.4 -0.2 %rP (%) 0.58 - 57.6 257 0.32 0.8 -0.4 MCHr (pg) 19.1 - 46.0 376 0.57 1.0 -5.6 MONO (x 109/L) BASO (x 109/L) BASO (x 109/L) Alinity h-series Operations Manual 80000023-107 - 2019-09-03 333 Performance characteristics and specifications Specifications and requirements Section 4 *Analysis of Alinity hg results compared to 400-cell reference differential in 294 samples, revealed a correlation coefficient of 0.81 and slope of 1.1 for %IG. 174 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Installation procedures and special requirements System configuration Section 2 ASTM Channel Settings area IP Address Displays a text box that is used to enter the IP address. For the carryover runs on the left incubation block, the system processes each of the six tubes first on the right incubation block. Differences in both size and internal complexity of RBC vs platelets are evaluated. It is important that our customers avoid entering Personal Data in any SID (Sample Identification) or comments fields. The knowledge of which rule or rules have been violated helps to identify the problem and to analyze possible causes. 361 Operating instructions are evaluated. Home screen Supplies icon Section 5 Navigates to the module view on the Current tab of the Supplies screen. The number of alert messages in the Alert Center is displayed next to the alert badge. The Alinity hq analyzer module is a quantitative multi-parameter automated hematology analyzer intended for in-vitro diagnostic use in clinical laboratories for enumeration in peripheral whole blood of the following parameters: WBC, NEU, %NEU, LYM, %LYM, MON, EOS, %EOS, BASO, %BASO, IG, %IG, RBC, HCT, HGB, MCV, MCH, MCHC, MCHr, RDW, NRBC, NR/W, RETIC, %RETIC, %RET both sides. Collect data for a batch evenly from both the right incubation block. Edit QC File screen (Alinity hq), page 874 Edit a QC file. In the Right Label box, type the label name. In the Test drop-down list, tap a test. Transports the slide carrier with the externally prepared smears to the stain baths and places the slide carrier consecutively in each of the four baths 2. To configure the column settings for other tabs, repeat steps 4, page 226 through 6, page 226. Carryover was calculated separately for the left and the right incubation blocks and is expressed as a percentage according to the International Counci for Standardization in Hematology (ICSH)2. • Promotes the appropriate conditions for the interaction of the dyes and color production. Reports or other data exported to USB storage devices should be controlled with appropriate laboratory practices. To obtain a reportable result, the resultant value must be corrected for the dilution. Reset Protocol Cancels the selected protocol and resets the module to the default protocol. Paper Size Displays the paper size configured for the printer: A4 or Letter. Notification Audio Content Displays a button that is used to preview the warning audio alert before the setting is saved. The mode status is indicated by the following colors: Green The module is not in halt mode or does not have an instrument status of Offline. NEU DSS mean Displays the mean DSS optical signal. diagnostic procedure A procedure A procedure A procedure that can be used to confirm the status of assemblies and mechanisms to help identify and resolve operational problems. Parameter 216 Displays a list of the following RBC parameters for the interpretive result configurations: Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Installation procedures and special requirements System configuration Section 2 • MCV • MCHC • RDW < Lower Limit Interpretive Result Displays a check box that is used to enable or disable the lower limit flag for the selected parameter. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 899 Quality control (Alinity hq) Section 11 Related information... 194 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Installation procedures and special requirements System configuration... 194 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Installation procedures and special requirements System configuration... 194 Alinity hq) Section 11 Related information... 194 Alini Specimen identification, page 442 Printers screen On the Printers screen, the operator can view information for a parameter for a patient rule. Slide label cartridge: Prints the SID on the slide shuttle: Moves the slide through the smear-making process Smear tape cartridge: Smears the drop into a monolayer on the slide Sample loading robot: Dries the smeared slides in the slide carrier Stain baths: Fixes the smeared slides in the slide carrier Stain baths: • Configure personal display theme. Section 2 To return to the Configure screen, tap Done. The data flags notify the operator that results for some or all parameters do not meet the acceptance criteria in the algorithm or cannot be displayed. On the Maintenance and Diagnostics tab of the Configure screen, tap Install/Uninstall M&Ds. 4. Slide stain processing The smeared slide did not dry within 60 seconds of the issue in Dry bath nonconfigurable default time of 180 seconds. The measurement is repeated multiple times. On the Alinity hq tab of the issue in Dry bath nonconfigurable default time of 180 seconds. The measurement is repeated multiple times. configured individually for each whole blood parameter: • 10e3/µL (USA) • 10e9/L (SI) requirements System configuration Section 2 • 10e12/L (SI) • 10e12/L (SI Modified) HGB Displays the following unit format options that can be configured individually for each whole blood parameter: • pg (USA) • pg (SI) • fmol (SI Modified) HCT Displays the following unit format options that can be configured individually for each whole blood parameter: • % (USA) • L/L (SI) • L/L (SI) • L/L (SI) • Modified) HCT Displays the following unit format options that can be configured individually for each whole blood parameter: • % (USA) • L/L (SI) • L/L (SI (SI) • %CV (SI Modified) RETIC Displays the following unit format options that can be configured individually for each whole blood parameter: • 10e3/µL (USA) • 10e9/L (SI) • 10e9/L (SI Operations Manual 80000023-107 - 2019-09-03 149 Installation procedures and special requirements System configured individually for each whole blood parameter: PLT • 10e3/µL (USA) • 10e9/L (SI) • 10 buttons Done Saves changes and either displays the previously viewed screen or closes the flyout. Red The waste container is full, the module is out of one or more supplies, or a supply is expired. Update Target/Range Displays a button that displays the settings used to copy the target, the range, or both the target and range from another QC file or from current runs in the existing QC file. Retic dilution 3. Function buttons Done Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Navigates to the Configure screen. In the First Shortcut drop-down list, tap an icon name. Before the hemoglobin concentration is measured, RBC are completely lysed by the HGB Reagent and the released hemoglobin is converted to one chromogen with an absorption peak at 540 nm. Limit/Delta Check screen, page 200 Edit Limit/Delt requirements System configuration Section 2 Limit/Delta Check flyout element descriptions Elements In the Limit/Delta Check flyout, the operator can copy the parameter settings from an existing patient limit set configure screen. In the Graph Size area, tap a size option. On the toolbar, tap the Print button 2. Intermediate angle light scatter Size (ALL) is plotted on the x-axis and intermediate light scatter 3 on the y-axis. Pneumatics Failure PAC1 The sheath pressure was outside the acceptable range during sample injection. To change the height of the manual, drag the top edge or the bottom edge. 830 Miscellaneous corrective action ...832 Remove the rack that contains specimen tubes in the loading area from the gripper (Alinity hq LUI)... 832 Remove a capped specimen tube from the gripper (Alinity hg LUI)..... procedures In the topic pane, each word of the search term is highlighted in the topic because
each word of the search term is treated individually. Sheath Tank Failed to refill within the acceptable Fill time limit during sample processing. Supplies (Alinity hs), page 101 Load glass slides (Alinity hg LUI (Alinity hs LUI), page 416 Probes and other sharps, page 571 Slide label cartridge (Alinity hs) The slide label cartridge is a sealed unit unique to the module. Sample processing • Alinity hs stain protocol • Order retention time • Userdefinable fields • Patient name display orientation • Open-tube processing time-out Unit Format Configure a unit format to report whole blood parameters. IMPORTANT: It is recommended that the box of glass slides be placed in the laboratory environment for 24 hours before use. Section 2 Tap Done. Conveyor Blocked The module conveyor may be blocked. • Provides rinsing solution for the stained slides and the aspiration probe. Reagent status indicators are not present in the lower reagent drawer. 20 Data Matrix (for Alinity hs slide printing only) N/A All alphanumeric characters. Condition Displays a text box that is used to enter a value in the WBC rule. Configure screen, Quality Control tab page 219 Moving Average Setup (X-B, WBC, RBC, PLT, and RETIC) screen element descriptions, page 232 Configure Moving Average Setup (X-B, WBC, RBC, PLT, and RETIC) screen element descriptions X-B tab, WBC tab, RBC tab, PLT tab, and RETIC tab On the Moving Average Setup screen, the operator can configure the X-B tab, WBC tab, RBC tab, RBC tab, PLT tab, and RETIC tab. USB flash drive A removable flash memory device that can be inserted into a USB port on the user interface computer. To create another new user, repeat steps 4, page 122 through 10, page 122. Methyl hypochlorite decomposes in the cold and may explode upon exposure to sunlight or heat. The default is 30 days. Unplug the power cord of the UPS from the wall if needed. On the General tab of the Create Limit/Delta Check screen, enter the following information as necessary: - Name Alinity h-series Operations Manual 80000023-107 - 2019-09-03 207 Installation procedures and special requirements System configuration block: Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Installation procedures and special requirements Utilities screen Section 2 • Left • Right Alert Displays an alert icon if the run is invalidated. IMPORTANT: When the instrument detects an unexpected condition during the processing of a sample, the result for the sample is displayed with a data flag. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 299 Principles of operation Principles of operation (Alinity hq) Section 3 On the Result Details screen and in printed reports, the flag is displayed as a red X next to the affected result. Displays the mean LYM IAS3 mean Displays the current selected folder. LYM IAS3 mean Displays the current selected folder. LYM IAS3 mean Displays the mean LYM IAS3 mean Displays the current selected folder. LYM IAS3 mean Displays the current selected folder. LYM IAS3 mean Displays the mean LYM IAS3 mean Displays the mean LYM IAS3 mean Displays the mean LYM IAS3 mean Displays the current selected folder. LYM IAS3 mean Displays the mean mean manual description Figure 4: Contents tab Legend: 1. Tilt the LUI monitor backward or forward to the optimal viewing angle. One of the following receiver channel statuses is displayed: • Error • Connected • Disconnected Queued Messages Displays the number of messages pending transmission to the LAS connection. 290 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Section 3 Principles of operation Principles of operation (Alinity hq) Figure 69: ALL x PSS (WBC): Polarized side scatter vs. System administrator An access level with an operator ID and PIN for the SCC and logon LUI that is used to perform administrator functions such as the following examples .265 Utilities screen (LUI). 513 Assayed whole blood (Alinity hq). Configure the host interface. 259 View or print the Licenses Report At the slide label cartridge, a bar code label is printed on the glass slide. Only one block at a time is available to view. On the System Control Center tab of the Configure screen, tap Shortcuts. NEU Displays the neutrophil count per volume. The hematocrit value is determined by the Alinity hq module or can be entered manually. QC Result Data Views screen, page 219 QC Settings screen On the QC Settings screen, the supervisor can perform the following functions: • Configure the QC scheduler times to run quality control. In the Right Field box, type the Right Fiel bottles is greater than zero, the number is displayed in red text. Configure screen, Results tab, page 185 Result Summary Views screen element descriptions, page 191 Add or delete a tab on the Results screen, page 192 Change the tab position on the Results screen, page 193 Configure columns on the Result Summary Views screen, page 193 186 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Installation procedures and special requirements System configuration Section 2 Result Summary Views screen, the operator can select the demographic and parameters to display in the Results screen. To save the edits to the module settings and return to the Modules screen, tap Done. Blast cells can make some WBC differential results suspect or invalid based on the number of blasts. Prepares and stains smears from whole blood, and stains externally prepared smears from whole blood only. Pneumatics Failure VAC2 The high vacuum supply was outside the acceptable range during sample processing. If the currently configured default printer is deleted, the system designates the most recently configured printer as the new system software overview, page 79 Home screen element descriptions, page 360 Home screen (LUI) element descriptions, page 118 Set PIN flyout element descriptions, page 125 User Profile screen element descriptions page 126 Bar Codes screen element descriptions, page 129 Printers screen element descriptions, page 131 Sample Processing screen, Alinity hs tab element descriptions, page 143 Unit Format screen element descriptions, page 148 Waste Setup screen element descriptions, page 153 General Settings screen element descriptions, page 153 Modules screen element descriptions, page 154 Modules screen element descriptions, page 155 General Settings screen element descriptions, system software overview Host Setup screen, General tab element descriptions, page 174 Shortcuts screen element descriptions, page 171 ASTM Communication screen element descriptions, page 174 Shortcuts screen element descripting screen element descripting screen element window element descriptions, page 182 Halt Behavior screen element descriptions, page 184 Result Summary Views screen element descriptions, page 195 Flagging Threshold screen element descriptions, page 187 Result Summary Views screen element descriptions, page 199 Create Limit/Delta Check screen and Edit Limit/Delta Check screen, General tab element descriptions, page 201 Create Limit/Delta Check screen and Edit Create Limit/Delta Check screen and Edit Limit/Delta Check screen, Retest/Reflex tab element descriptions, page 205 Limit/Delta Check flyout element descriptions, page 205 Limit/Delta Check flyout element descriptions, page 207 Limit/Delta Check flyout element descriptions, page 207 Limit/Delta Check flyout element descriptions, page 207 Limit/Delta Check flyout element descriptions, page 208 Limit/Delta Check flyout element descriptions, page 208 Limit/Delta Check flyout element descriptions, page 209 Limit/Delta Check flyout element descriptions, page 200 Limit/Delta Check flyout e Install/Uninstall Procedures screen, Available Files tab element descriptions, page 235 Install/Uninstall Procedures screen, Installed Files tab element descriptions, page 248 Create File screen element descriptions, page 250 Carryover screen element descriptions, page 264 Reagents screen, Current tab element descriptions, page 264 Reagents screen, Summary tab, Search flyout element descriptions, page 389 Edit Comment flyout element descriptions, page 390 Reagent Status screen (LUI) element descriptions, page 395 Supplies screen, Current tab element descriptions, page 395 New Reagent Status screen (LUI) element descriptions, page 395
New Reagent Status screen (LUI) element descriptions, page 395 New or function Alinity system software overview Section 1 Supplies screen, Summary tab element descriptions, page 407 Supplies screen, Summary tab, Search flyout element descriptions, page 408 Supplies screen, Summary tab, Search flyout element descriptions, page 408 Supplies screen, Summary tab, Search flyout element descriptions, page 408 Supplies screen, Summary tab, Search flyout element descriptions, page 408 Supplies screen, Summary tab, Search flyout element descriptions, page 408 Supplies screen, Summary tab, Search flyout element descriptions, page 408 Supplies screen, Summary tab, Search flyout element descriptions, page 408 Supplies screen, Summary tab, Search flyout element descriptions, page 408 Supplies screen, Summary tab, Search flyout element descriptions, page 408 Supplies screen, Summary tab, Search flyout element descriptions, page 408 Supplies screen, Summary tab, Search flyout element descriptions, 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screen element descriptions, page 498 Edit Details (Extended) screen element descriptions, 493 Graph Settings flyout element descriptions (Alinity hq), page 504 Calibration screen element descriptions, page 504 Create Cal File (Commercial Whole Blood Calibrator) screen element descriptions (Alinity hq), page 525 Create Cal File (Whole Blood Calibrator Specimen) screen element descriptions (Alinity hq), page 525 Edit Cal File (Whole Blood Calibrator Specimen) screen element descriptions (Alinity hq), page 525 Edit Cal File (Whole Blood Calibrator Specimen) screen element descriptions (Alinity hq), page 525 Edit Cal File (Whole Blood Calibrator Specimen) screen element descriptions (Alinity hq), page 525 Edit Cal File (Whole Blood Calibrator Specimen) screen element descriptions (Alinity hq), page 525 Edit Cal File (Whole Blood Calibrator Specimen) screen element descriptions (Alinity hq), page 525 Edit Cal File (Whole Blood Calibrator Specimen) screen element descriptions (Alinity hq), 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(QC) screen element descriptions (Alinity hg), page 867 Statistics Summary screen element descriptions, page 860 Create QC File (Commercial Whole Blood Control) screen element descriptions, page 353 Log On screen (LUI) element descriptions, page 356 Maintenance Scheduler screen element descriptions, page 239 Menu bar The menu bar provides navigation elements that are used to display screens, flyouts, and menus. On the General tab of the Edit Limit/Delta Check screen, the supervisor can edit the limit and delta check settings for a patient limit set group. Display Name Orientation area Patient Name Displays the options for the patient name format: • First Middle Last (default) • First, Middle Open Tube Processing area Timeout Displays the options for the number of seconds until the screen times out after the tube mixing is confirmed: • 30 Seconds (default) • 45 Seconds • 60 Seconds Function buttons 144 Done Saves changes and either displays the previously viewed screen or closes the flyout. The remaining 10 sample readings are averaged. Description Displays a text box that is used to enter a description of the module. Task list item that is collapsed Task list item that is expanded Related information... Commands configured as icons do not display in the menu. • Edit a printer. If a printer was selected in the Print Location drop-down list, tap Print. 447 Open-tube processing.. . Section 1 Eight lanes (numbered 1-8) for specimen tubes – Three lanes (D, E and F) for slide carrier racks Retractable shelf: Provides a temporary work surface Drawers: Provide locations for reagents required for module operation and for sample processing and the waste containers, and supplies as they are loaded Related information... Character Encoding Displays a drop-down list that provides the following items: • UTF-8 (default) • Shift-JIS • Windows-1252 • ASCII Function buttons Done Saves changes and either displayed to notify the operator when a specific system problem requires attention: -A red
triangle (alert) badge indicates system problems that require immediate attention. Each laboratory must determine the frequency of QC runs. - Enter a start time for daily maintenance. • Acts as a sheath fluid in the optical flow cell. IAS2 is used to calculate the mean cell volume (MCV). • Reset a user PIN. The operator can disable the inflow into the selected module. NOTE: On the Patient Rules screen, if the number of slides selected for reflex testing plus the initial Alinity hg module after testing is completed. 224 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Installation procedures and special requirements System configuration Section 2 6. Optical scatter and fluorescence measurement process: 1. 100 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Section 1 Use or function Required consumables Figure 46: Waste container Related information... Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Installation procedures and special requirements System configuration... Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Installation procedures and special requirements System configuration Section 2 When one or more graph check boxes are selected, the corresponding graphs are displayed on the host computer. A printer queue is displayed for each configured printer Elements Printer Displays the name of the selected printer Any print jobs in the printer queue are also deleted. Run Transitions the module from Stopped, Idle, or Pausing to Running. For both closed-tube and open-tube processing, the tube bar code label (SID) matches the SID in the Orders list to identify the specimen and test that are selected. On the toolbar, tap the Search box. 91 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 3 Table of contents Water (Alinity hq).... . Alinity h-series Operations Manual 80000023-107 -2019-09-03 Quality control (Alinity hg) OC files (Alinity hg) Section 11 4. A maximum of 12 graphs can be selected for each detail report tab out of the 54 available. • When a specimen is chosen for a precision check, results for all parameters need to be within the acceptable range for the laboratory and need to have no known interference or flagged abnormality. System installation and relocation, page 114 System configuration, page 242 Utilities screen, (LUI), page 243 Utilities screen, page 244 Utilities screen, page 244 Utilities screen, page 244 Utilit System installation and relocation of the Alinity h-series. The rack should be inserted into an Alinity h-series. The relocation of the Alinity h-series representative performs the installation and the displayed report must contain the same information. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Installation procedures and special requirements System configuration Section 2 Last Name Displays the last name of the user. Repeat steps 11.a, page 263 through 11.c, page the total length of the encoded SID may be reduced to 18 characters. Moving Average Setup screen, page 230 Moving Average Setup (Optical WBC tab, optical RETIC) screen element descriptions Optical WBC tab, optical RETIC) screen element descriptions (Optical RETIC) screen element descri Optical RBC tab, and Optical RETIC tab. STAT Displays a button that is used to change a standard lane to a STAT lane. The Right Arrow button changes to a Down Arrow button or procedures. 548 Limitations of result interpretation. .549 Interfering substances and conditions To expand or collapse the list of topic titles, tap a Book icon 3. 213 Installation procedures and special requirements System configuration Leukopenia Smear Case 2 Section 2 Is Enabled Displays a check box to enable or disable the leukopenia smear case 1. Read me first, page 11 20 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Key to symbols are used on Alinity h-series labels and labeling. IMPORTANT: Daily maintenance is required for the Alinity h-series labels and labeling. IMPORTANT: Daily maintenance is required for the Alinity h-series labels and labeling. of impurities such as sodium and chloride ions, silica, and bacteria, as well as a very high electrical resistivity. RDW Displays the red cell distribution width. Information area Module image 259 260 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Installation procedures and special requirements Utilities screen Section 2 New Carryover study for whole blood specimens, page 262 New Carryover screen element descriptions. the operator can create a new carryover file. prime A procedure that is performed to prime solution through the fluidics system. 332 Analytical measurement range (AMR) (Alinity hq)..... .334 Linearity (Alinity hq)... When an icon is selected, an associated screen is displayed. Configure screen, System Control Center tab, page 158 Automatic Backup screen element descriptions, page 181 Automatic Backup screen, the operator can enable system automatic backups. • Acts as a cleaning agent for some Alinity hg module components. Monitor: Displays a local user interface (LUI) that shows status information and provides a means to control certain Alinity hg module functions. shelf: Provides a temporary work surface Drawers: Provide locations for reagents required for module operation and sample processing and scans new reagent containers as they are loaded Related information... Alinity h-series Operations Manual 80000023-107 - 2019-09-03 239 Installation procedures and special requirements System configuration Section 2 Weekly Scheduler area Automatic weekly runs of maintenance procedures. 308 5. Numerical result flags (Alinity hq), page 302 Optional flags (Alinity hq) Optional flags are configured by the operator. To save the lane settings, tap Save. In the Result Flag area, tap a flagging threshold sensitivity option for each result flag. Supplies icon Navigates to the Supplies Status screen. The number of notification messages in the Alert Center is displayed next to the notification badge. The Results screen on the SCC indicates the status of the monitor. On the Extended tab of the monitor. On the Extended tab of the monitor up or down to adjust the height of the monitor. On the Extended tab of the Result Details screen, the following flag messages are displayed: • HGB Reference Out Of Range • MCHC out of Range. Lane: Holds one sample rack. Processing Error (Mixing) A step loss error occurred with one or more cup mix paddles during sample processing. The imprecision studies meet the repeatability design requirement according to Clinical and Laboratory Standards Institute (CLSI) document H26-A21. e. Flow cytometry (Alinity hq), page 275 Light scatter signals (Alinity hq), page 282 Light scatter signals to help identify cells. The following list provides descriptions of the host connection is established with the host. The user interface is a display format where the operator can select icons, buttons,

menu commands, and other screen elements. Non-processing state The module is not in a status of Running or Processing. Figure 56: Slide carrier rack Related information... 306 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Principles of operation (Alinity h-series Operation 3). Specimen identification and test selection Each specimen is identified by a unique time-stamped and date-stamped and date-stamped and utomatic pause command. IRF 0.05 to 0.69 0.00 to 999. To delete the edits to the ASTM communication settings, tap Cancel. Lanes 1 through 8 are used for input of sample tube racks. • Test the ASTM channel settings. On the Configure screen, tap the Quality Control tab. Home screen, page 359 AbbottLink Connection Status flyout element descriptions, page 383 Restart AbbottLink, page 384 AbbottLink Connection Status flyout element descriptions The AbbottLink Connection Status flyout provides AbbottLink connection information. LYM Displays the lymphocyte count per volume. The following status • Mode • Reagent Status • Lane Status Instrument Status Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Displays the current status of the module. Flags that are related to sample characteristics are expected to repeat. 906 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Displays the current status of the module. is present in circulation in relatively high concentrations. Water, under constant pressure and speed, enters the optical flow cell and forms a column of sheath fluid. To verify short-term imprecision claims, use normal fresh whole blood specimens whose values do not exceed the normal reference interval for the laboratory and must not display morphological flags or data flags for the parameter being studied. This facilitates separation of platelets from RBC and is useful when microcytes or RBC fragments are present. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Section 3 Principles of operation (Alinity hq) Figure 57: Closed-tube processing Opentube processing The operator premixes a specimen tube and removes the cap. MCHC Displays the mean cell hemoglobin system. The higher speed of the sheath fluid that surrounds the RBC/PLT dilution and the geometry of the optical flow cell combine to focus the sample dilution stream so that individual cells can be counted. To delete the edit to the user settings, tap Cancel. Certain products described or certain features of some products described or certain features of LAS button The SCC has not been in communication with the WPS for over 30 minutes. Red Moving Average button 374 A limit or Westgard failure has occurred or the control is more than 30 minutes overdue of the scheduled time. printer Operator access level System administrator Perform this procedure to edit the printer settings for a configured printer. After the rack is inserted, the lane has locking ribs that hold the rack until the module releases it. In the hemoglobin flow cell, the sample is illuminated by a 555 nm light-emitting diode (LED). Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Quality control (Alinity hq) Moving Average programs (Alinity hq) Section 11 Text Size Increases or decreases the size of text displayed. %M: % Monocyte Displays the percentage of monocyte. Displays the number of hours or days that remain for onboard stability for the reagent. The IAS2 channel is used to measure the size of red cells. Lanes D, E, and F hold slide carrier racks. Status Displays check boxes that are used to select the following statuses: • Not Current • OK • Low • Empty • Expired Function buttons Done Saves changes and either displays the previously viewed screen or closes the flyout. On the System Control Center tab of the Configure screen, tap ASTM Communication. With the virtual keyboard, type one or more search terms. Comply with the hazard and safety information to minimize the potential for harm to personnel and damage to the laboratory environment. The operator can search for a specific user. 834 Remove an open-tube rack from the gripper (Alinity hq LUI).. The Down Arrow button moves the parameter one column to the right. Under Display Name Orientation, tap an option for the patient name format. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 243 Installation procedures and special requirements Utilities screen Section 2 Related information... "Guidelines for the Evaluation of Blood Cell Analysers Including Those Used for Differential Leucocyte and Reticulocyte Counting and Cell Marker Applications." Clinical and Laboratory Hematology 16, no. If the setting is enabled, the module does not limit the number of cap pierces per tube. Tap Delete Tab. To delete the edits to the graph settings, tap Cancel. RETIC tab RETIC Displays the reticulocyte cell count per volume. RETC Saturation** During sample acquisition, the capacity of the event storage buffer was exceeded. Reagents (Alinity hs), page 96 Replace a reagent bottle in the upper reagent bottle in th controls, calibrators, and waste containers. This status is only available for the HL7 sender channel when the Active Transient option is configured. EOS: Eosinophil Displays the eosinophil Displays the eosinophil count per volume. - In the Start Time box, enter a start time for weekly maintenance. System Control Center (SCC) Alinity hq module Alinity hs module WPS Related information... Alinity h-series Operations Manual 80000023-107 - 2019-09-03 79 Use or function Alinity system software overview Section 1 3. No use of any Abbott trademark, trade name, or trade dress in this site may be made without the prior written authorization of Abbott, except to identify the product or services of the company. ARCHITECT analyzers, Alinity hq, CELL-DYN Ruby, CELL-DYN Ruby, CELL-DYN Ruby, CELL-DYN Emerald 22 AL instruments are Class I laser products. The operator can view the following halt conditions that need to be resolved: • Consecutive short samples • Consecutive sam HGB, WBC, or PLT The operator can perform the following functions: • Run a background in halt mode. The resulting beams are directed to polarized side scatter (PSS) and depolarized side scatter (PSS) detectors. Element Module bar Displays buttons that are used to select a module. 243 Backup/Restore ..245 Precision screen.. Sample Processing screen, page 140 Descriptions of screen elements, page 81 Sample Processing screen, Alinity hs tab element descriptions The Alinity hs tab displays the default sample-processing settings for an Alinity hs module. Repeat this process until the tab is in the correct position. The rack also has a groove in which to insert the bar code label flag for the smaller tubes so that the label does not interfere with tube insertion. HCT 10.3% to 75.0% 0.00 to 999. Disable Inflow Disables or enables inflow for the selected module. The Up Arrow button moves the parameter one column to the left. NOTE: ANSI document X3.182-1990, Guideline for Bar Code Print Quality, provides a standardized methodology to measure and grade bar code print quality. On the Edit QC File screen, enter the new data as necessary. IP Displays the Internet protocol address for the module. The configuration is used for maintenance notifications for the operator. NOTE: There are four default tabs and the operator can add up to five additional tabs for a total of nine tabs. Position Displays the position in the reagent drawer. QC files (Alinity hq), page 843 Edit QC File (Commercial Whole Blood Control) screen element descriptions (Alinity hq), page 874 Edit QC File (Whole Blood Specimen) screen element descriptions (Alinity hq), page 877 Edit a QC file (Alinity hq), page 880 Edit QC File (Commercial Whole Blood Control) screen element descriptions (Alinity hq), page 880 Edit QC File (Commercial Whole Blood Control) screen element descriptions (Alinity hq), page 879 Update QC file (Alinity hq), page 880 Edit QC File (Commercial Whole Blood Control) screen element descriptions (Alinity hq), page 880 Edit QC File (Commercial Whole Blood Control) screen element descriptions (Alinity hq), page 880 Edit QC File (Commercial Whole Blood Control) screen element descriptions (Alinity hq), page 880 Edit QC File (Commercial Whole Blood Control) screen element descriptions (Alinity hq), page 880 Edit QC File (Commercial Whole Blood Control) screen element descriptions (Alinity hq), page 880 Edit QC File (Commercial Whole Blood Control) screen element descriptions (Alinity hq), page 880 Edit QC File (Commercial Whole Blood Control) screen element descriptions (Alinity hq), page 880 Edit QC File (Commercial Whole Blood Control) screen element descriptions (Alinity hq), page 880 Edit QC File (Commercial Whole Blood Control) screen element descriptions (Alinity hq), page 880 Edit QC File (Commercial Whole Blood Control) screen element descriptions (Alinity hq), page 880 Edit QC File (Commercial Whole Blood Control) screen element descriptions (Alinity hq), page 880 Edit QC File (Commercial Whole Blood Control) screen element descriptions (Alinity hq), page 880 Edit QC File (Commercial Whole Blood Control) screen element descriptions (Alinity hq), page 880 Edit QC File (Commercial Whole Blood Control) screen element descriptions (Alinity hq), page 880 Edit QC File (Commercial Whole Blood Control) screen element descriptions (Alinity hq), page 880 Edit QC File (Commercial Whole Blood Control) screen element descriptions (Alinity hq), page 880 Edit QC File (Commercial Whole Blood Control) screen element descriptions (Alinity hq), page 880 Edit QC File (Commercial Whole Blood Control) edit an existing QC file for a commercial whole blood control. The specific parameters that were tested for carryover were WBC, RBC, HGB, PLT, and RETC. One type has larger holes and can accommodate most venipuncture tubes. When the Alinity hs tab is selected on the Result Details screen on the SCC, system messages with one or more messages are displayed. 321 Water
purification system (WPS) specifications.. ..322 Environmental specifications and requirements..... . 884 Westgard rules analysis (Alinity hq)....... .884 Precision check (Alinity . 377 Operating instructions Home screen Section 5 This element is only available when the host communication interface is HL7. Resuspension unit: Mixes closed-tube specimens by inversion before sample aspiration is initiated. Description Displays the description of the module. View carryover details. Reagents icon Navigates to the Reagent Status screen. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 227 Installation procedures and special requirements System configuration Scheduled Times Section 2 Displays a list of scheduled Times Section 2 Displays a list of scheduled times for quality control analysis. On the Users screen, tap an operator ID to HGB analysis 1. In the Export Files flyout, tap the USB flash drive and folder to which to export the file. LYM IAS1 mean IAS1 optical signal. 64 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Use or function Alinity h-series edit. 99 Supplies (Alinity hs) hardware overview Section 1 Related information... Reagent Displays a drop-down list that is used to select the reagent type. QC Result Data Views screen, page 219 Change the tab position on the QC screen, the QC summary screen, and the Precision Results screen. 192 On the menu bar, tap System, and then tap Configure. Tap the Retest/Reflex tab. Print Displays the Print flyout. RETIC analysis 1. Result Details screen, page 81 Configure graph settings for the Result Details screen, page 81 Configure. access level Supervisor Perform this procedure to configure graphs to display on the Result Details screen and the Reportable Results Report. The LUI also provides a means to control certain module functions. Online Help Language Displays a drop-down list that is used to select the online help language. Utilities screen, page 243 Backup/Restore screen element descriptions, page 245 Create Backup/Restore screen, the operator can create a manual backup, page 246 Perform a manual backup/Restore screen, the operator can create a manual backup/Restore screen element descriptions. characteristics and specifications Specifications Specifications and requirements Section 4 Specimens that are collected in other anticoagulants are not recommended. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 91 Use or function Required consumables Section 1 The Alinity h-series Operations Manual 80000023-107 - 2019-09-03 91 Use or function Required consumables Section 1 The Alinity h-series Operations Manual 80000023-107 - 2019-09-03 91 Use or function Required consumables Section 1 The Alinity h-series Operations Manual 80000023-107 - 2019-09-03 91 Use or function Required consumables Section 1 The Alinity h-series Operations Manual 80000023-107 - 2019-09-03 91 Use or function Required consumables Section 1 The Alinity h-series Operations Manual 80000023-107 - 2019-09-03 91 Use or function Required consumables Section 1 The Alinity h-series Operations Manual 80000023-107 - 2019-09-03 91 Use or function Required consumables Section 1 The Alinity h-series Operations Manual 80000023-107 - 2019-09-03 91 Use or function Required consumables Section 1 The Alinity h-series Operations Manual 80000023-107 - 2019-09-03 91 Use or function Required consumables Section 1 The Alinity h-series Operations Manual 80000023-107 - 2019-09-03 91 Use or function Required consumables Section 1 The Alinity h-series Operations Manual 80000023-107 - 2019-09-03 91 Use or function Required consumables Section 1 The Alinity h-series Operations Manual 80000023-107 - 2019-09-03 91 Use or function Required consumables Section 1 The Alinity h-series Operations Manual 80000023-107 - 2019-09-03 91 Use or function Required consumables Section 1 The Alinity h-series Operations Manual 80000023-107 - 2019-09-03 91 Use or function Required consumables Section 1 The Alinity h-series Operations Manual 80000023-107 - 2019-09-03 91 Use or function Required consumables Section 1 The Alinity h-series Operations Manual 80000023-107 - 2019-09-03 91 Use or function Required consumables Section 1 The Alinity h-series Operations Manual 80000 Reagent • Retic Reagent • AutoClean Solution Related information... Logged on Displays the user name of the operator logged on the system. The following list includes the Moving Average programs and associated parameters on the system: • X-B program: MCV, MCH, MCHC • WBC program: WBC, %N, %L, %M, %E, %B, %IG, NEU, LYM, MONO EOS, BASO, IG • Optical WBC program: LYM ALL mean, LYM IAS1 mean, LYM IAS2 mean, LYM IAS3 mean, LYM IAS3 mean, NEU DSS mean, NEU N mean • PLT program: PLT, MPV • RETIC program: RETIC, %R, IRF • Optical RETIC program: ALL mean, IAS3 mean, IAS cup. All other stain protocols are preconfigured. To return to the Precision screen, tap Done. Users screen, page 81 Descriptions of access level is the identifier that controls the access to certain user interface functionality. • Configure the transmission of checksum digits to the SCC. Therein the transmission of checksum digits to the SCC. system administrator can configure the waste outlet for Alinity hq modules as either the laboratory drain or a 20 L container. Status Displays one of the following statuses for the print request: Queued, Printing, Error, Deleting, or Out of Paper. Software version Displays the current version of software installed on the system. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 121 Installation procedures and special requirements System configuration ... ACCELERATOR APS and ACCELERATOR a3600 are Class II laser products. The Alinity, ARCHITECT, ACCELERATOR and CELL-DYN systems are intended for performing in vitro diagnostic assays on samples of human origin (blood, urine). Read the instructions in the system manuals and labeling and/or reagent instructions carefully. Edit a precision file. NOTE: Separate slide carriers are used for smear-only requests and Smear+Stain requests. Patient Rules screen, page 212 Result Details (Extended) screen element descriptions, page 494 Interpretive Results screen, the supervisor can enable interpretive results for the following parameter groups: • WBC • RETIC • PLT The supervisor can enable interpretive results by entering a limit value for the following parameter groups: • IG Alinity h-series Operations Manual 80000023-107 - 2019-09-03 215 Installation procedure to update targets, limits or both targets and limits for a QC file. SID Displays the sample ID for the QC material. The photodetector measures the amount of light that passes through the reference. Lot Displays the lot number. No use of any Abbott trademark, trade name, or trade dress may be made without the prior written authorization of Abbott Laboratories, except to . Navigation pane, page 31 Topic pane The topic pane is the area under the toolbar that displays topic content. You're Reading a Free Preview Page 260 is not shown in this preview. MPV Displays the identify the product or services of Abbott Laboratories. 508 Search flyout.. mean platelet volume. Figure 72: Volume (PLT): Platelet volume button to the right or left to increase or decrease the speaker Volume. NOTE: When the user interface is locked, the operator is not logged off. Figure 47: Waste container Related information... To configure the tabs for other Moving Average programs, repeat steps 4, page 234 through 7, page 234. • Configure the column settings for a tab. Tap Edit File. Optical scatter and fluorescence technologies (Alinity hq), page 276 Collection and detection subsystem (Alinity hq). has two assemblies that include eight optical detectors and corresponding forward-angle and side-angle collection optics: • Forward light scatter assembly Alinity h-series Operations Manual 80000023-107 - 2019-09-03 279 Principles of operation (Alinity hg) Section 3 Figure 63: Collection and detection subsystem Legend: 1. Elements 248 File Name Displays the serial number of the supply item. System menu command A command on the System menu that represents an available screen. Any combination of Moving Average programs can be enabled. The status of supplies loaded on the system is indicated by the following colors: Maintenance button Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Green The status of the supplies and waste container is OK. LYM FL1 mean Displays graphical data for the mean LYM FL1 fluorescence signal. In the Export Reagents flyout, enter a date range: a. Interpretive Results screen, page 215 Configure interpretive results Required instrument status Any status Operator access level Supervisor Perform this procedure to enable patient limit interpretive results. Data flags are displayed as a symbol or text on the Result Details screen, and in printed reports. Limit/Delta Check screen and Edit Limit/Delta Check screen, Morphology Flags tab element descriptions, page 204 Create the limit and delta check screen, the supervisor can perform the following functions: • Edit the maximum number of days between records. This technology is based on the linear relationship between the amount of light that a well-mixed, nonflowing sample absorbs at a particular absorption band and the concentration of an absorbing entity in the sample (Beer's Law). When a rule is violated, the number of the rule is displayed in place of the plus sign. To save the edit to the user settings and return to the Users screen, tap Done. Each icon on this bar represents a screen category. An asterisk is displayed when the information, dilution, and analysis Specimen to the Alinity hq module: Closed-tube processing 270 Capped specimen tubes are introduced to the Alinity hq module from 10-tube closed-tube racks that are inserted in the loading area. The higher speed of the sheath fluid that surrounds the Retic dilution and the geometry of the optical flow cell combine to focus the sample
dilution stream so that individual cells can be counted. 8 mm diameter tube hole 13 mm diameter tube hole Bar code label flag holder Cap pocket: Allows for placement and storage of open-tube cap during processing 15 mm diameter tube hole 11 mm diameter tube hole Tethered-cap clip Related information... The minimum bar code width is 12.7 mm (0.5 in). IAS2 mean Displays the mean RETIC IAS2 optical signal. Unit Format screen, page 148 Waste Setup screen (Alinity hq) On the Waste Setup screen, the operator can view the waste outlet configuration for the modules in the system. 43 Search for a term. 40 Access the related information... Delete Deletes the selected patient limit set group. This element is only available for Alinity hq. - If the limits do not represent standard deviations, tap N/A. 278 Alinity h-series Operation (Alinity hq) Figure 62: Optical flow cell Related information... Toggle TOC button 5. The printed verification report can be compared to a report that is displayed on the SCC to verify a printer. Last Name Displays the last name of the user. 70 Alinity h-series hardware overview Figure 27: Lower reagent drawer (Alinity hs) Related information... System cycle power, start, pause, and stop, page 346 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 347 Operating instructions System cycle power, start, pause, and stop Section 5 Cycle power to the module Prerequisite Adequate amounts of reagents are present on the system to power off and initialize the module. Browse Displays the Select Image flyout to select a logo image. The tube length is 78 mm. Nominal aspiration volume • Alinity hq CBC+Diff: < 100 μ L • Alinity hq CBC+Diff: < tripotassium EDTA (K3EDTA). 235 Configure screen (LUI) Alinity h-series Operations Manual 80000023-107 - 2019-09-03 261 Installation procedures and special requirements Utilities screen Start Section 2 Starts the new carryover study. Figure 35: Menu bar on the Alinity hq LUI Most people get the H. Navigates to the Summary tab on the QC screen for the module selected. Compare plots for both incubation blocks to determine if control results are similar. 226 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Installation procedures and special requirements System configuration Section 2 7. Product availability varies by country. Internet protocol address The Internet protocol to communicate over a network. You're Reading a Free Preview Pages 341 to 392 are not shown in this preview. Amber circle One or more reagent inventory items have reached or exceeded the configured low alert setting. 14. Run Date/Time Displays the run date and time of the precision run. In the Module drop-down list, tap a module. The SCC also provides a means to control module functions. ALL is measured by the inner detector on the detection block of the forward light scatter assembly IMPORTANT: Do not change the status (STAT or routine) of a lane if the lane status indicator is amber. 13. Precision Results screen, the operator can view the following functions: • File name • Module • Test • Status • Run date and time The operator can view the following functions: • File name • Module • Test • Status • Run date and time The operator can view the following functions: • File name • Module • Test • Status • Run date and time The operator can view the following functions: • File name • Module • Test • Status • Run date and time The operator can view the following functions: • File name • Module • Test • Status • Run date and time The operator can view the following functions: • File name • Module • Test • Status • Run date and time The operator can view the following functions: • File name • Module • Test • Status • Run date and time The operator can view the following functions: • File name • Module • Test • Status • Run date and time The operator can view the following functions: • File name • Module • Test • Status • Run date and time The operator can view the following functions: • File name • Module • Test • Status • Run date and time The operator can view the following functions: • File name • Module • Test • Status • Run date and time The operator can view the following functions: • File name • Module • Test • Status • Run date and time The operator can view the following functions: • File name • Module • Test • Status • Run date and time The operator can view the following functions: • File name • Module • Test • Status • Run date and time The operator can view the following functions: • File name • Module • Test • Status • Run date and time The operator can view the following functions: • File name • Module • Test • Status • Run date and time The operator can view the following functions: • File name • Module • Test • Status • Run date and time The operator can view the following functions: • File name • Run date and time The operator can view the following functions: • File name • Run d Create a carryover file. On the System Control Center (SCC), press the ON/OFF button of the UPS. Tap the Search icon 1 Use or function Required consumables Figure 48: Glass slides Related information... Summary tab, WBC tab RBC/PLT tab, RETIC tab A sample result is displayed at the top of the screen that adds columns as demographics and parameters are selected for the results. To Alinity h-series Operations Manual 80000023-107 - 2019-09-03 201 Installation procedures and special requirements System configuration Section 2 enter the upper age, type the years and days in the boxes or tap the Up Arrow and Down Arrow buttons. Version Data screen (LUI), page 267 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 267 Installation procedures and special requirements Utilities screen (LUI) Section 2 View the version data (LUI) Required instrument status Any status Perform this procedure to view the version data of the LUI and embedded software on the LUI. IMPORTANT: If drains are used for the disposal of Alinity hq waste, the drains must comply with local, state, and national regulations. Sample Processing screen, page 140 Configure a custom stain protocol (Alinity hs) Required instrument status Running Operator access level Supervisor Perform this procedure to configure and select a custom stain protocol. Alinity hq) NEU Displays graphical data for the neutrophil count per volume. Validation of the pathological finding indicated by the morphology flag and of all impacted and associated parameters are required, by using appropriate reference methodology, before affected results can be reported. The first data integrity check is used to examine the signal levels in the list mode file. 238 2. On the Utilities screen, tap Precision. Table 32: Analytical measurement range (AMR) (Alinity hq) Parameter Range Tested SI Display Range SI WBC (0.06 to 400.) x 109 cells per liter 0.00 to 999. depolarized side scatter Eosinophils (green) are differentiated from neutrophils (green) are differentiated fro search terms are ranked higher than topics that contain only some of the search terms. To hide the navigation pane, tap the Toggle TOC button 2. IMPORTANT: It is recommended that the label carrier shave been processed and returned to the rack. Tap Copy From. Under Demographics, perform one or more of the following steps to change the column. The smear blades are single use only and are designed to prevent used blades from making contact with unused blades. On the General tab of the Configure screen, tap Users. Module (Alinity hs), page 65 Precalibration checks (Alinity hg), page 522 Internal components (Alinity hs), page 522 Internal components (Alinity hs), page 522 Internal components (Alinity hs) and slide-staining activities. edits to the parameter settings, tap Save. RETIC tab RETIC Displays graphical data for the reticulocyte cell count per volume. On the menu bar, tap System, then tap Configure. The words "INVALID DATA" appear next to the title "Numerical Results". IMPORTANT: A result that exceeds the tested AMR should be interpreted with caution and must be confirmed by diluting the specimen until the result falls within the appropriate linear range. In the Print window, tap Print. granularity Internal or surface irregularities of a cell. For Alinity hs modules, any status except Initializing. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Operating instructions Reagent inventory and presentation 2. In the navigation pane, tap the Contents tab. New Carryover screen, page 260 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 263 Installation procedures and special requirements Utilities screen Section 2 Carryover Details screen, the operator can view the following information: File name • Number of runs • Test • Status • Module • Sequence • Specimen type • SID • Left and right incubation blocks • Parameters results • Run date and time Related information... Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Principles of operation (Alinity hq) Section 3 NOTE: Results outside of the] AMR are transmitted to the LIS/Middleware when the transmission of "Alerted Patient Results" is enabled on the Host Setup screen. If 20 runs are used to verify the precision, it is recommended to aliquot the specimen into five tubes. The algorithm examines the data for signal drops. Data analysis and presentation (Alinity hq), page 285 Data analysis and presentation (Alinity hq). for optical measurements (Alinity hq) Signals The following light scatter signals are used in data analysis for optical measurements: Alinity h-series Operation 8 WBC/NRBC ALL, IAS, PSS, DSS, FL1 RBC/PLT ALL, IAS, IAS1, IAS2, IAS3, PSS Reticulocytes ALL, FL1 Cell populations Optical scatter and fluorescence are used together to count and characterize the following cell populations: • WBC • WBC offerential (colors on graphs): - Neutrophils (yellow) - Lymphocytes (IG) (yellow) • NRBC Reticulocytes Only optical scatter is used to count and characterize the following cell populations (color on graph or
histogram): • RBC (red) • PLT (yellow) Parameters for the following analyses. Yellow One or more parameters for the most recent sealed batch are outside the action limits RETIC Displays the reticulocyte cell count per volume. Related information list Provides references at the end of a topic that are related to the topic. The Alinity hs waste contains methanol. On the menu bar, tap System, and then tap Utilities. To close the Host Connection Status flyout, tap Done. 443 Prepare to process specimens (Alinity A photo diode measures light absorbance at 540 nm. Create File screen, page 250 Descriptions of screen elements, page 81 Create a precision file. In the event that a laboratory has a highly specialized patient population, the limits can be adjusted. To delete the new user settings, tap Cancel. WBC and NRBC analysis 1. MONO: Monocyte Displays the monocyte count per volume. To save the general settings and return to the Configuration screen, tap Done. To return to the Configuration as this can interfere with proper operation. On the Modules screen, tap one or more modules to edit. The module alternates between the two blocks as whole blood samples are processed. Wayne, PA: CLSI; 2010. Tap Verify Printer. 16. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Operating instructions Home screen Section 5 Mode button Displays the current status of the mode. Current Batch screen (Alinity hq), page 890 Sealed Batches screen (Alinity hq), page 890 Sealed Batches screen (Alinity hq) On the Sealed Batches screen, the operator can view the following sealed Batches screen, the operator can view the following sealed Batches screen (Alinity hq) and the screen (Alinity hq) on the Sealed Batches screen (Alinity hq) and the screen (Alinity hq) Two consecutive batches must be outside the action limits to have the status of 2 Out. On the System Control Center tab of the Configure screen, tap Halt Behavior. NOTE: If the incorrect PIN is entered, a critical message is displayed. If the number of exceptions is greater than zero, the number is displayed in red text. Since the bacteria attacks the lining of the stomach, it can cause acid to leak out, leading to ulcers. NOTE: Information that is entered on the General tab must be saved for the Parameters tab, Morphology Flags tab, and the Retest/Reflex tab to become active. A laser beam is focused on the optical flow cell. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 71 Use or function Alinity h-series hardware overview Section 1 Figure 28: Internal components (Alinity hs) Legend: 1. Table 33: Linearity Limits (Alinity hq) Parameter Linearity WBC ± 5.0% or ± 0.2 x 109 cells per liter for WBC count of (0.06 to 100.0) x 10 9 cells per liter and ± 8.0% for WBC count > 100.0 x 10 9 cells per liter RBC ± 4.0% or ± 0.2 x 10 12 cells per liter for RBC count of (0.01 to 8.00) x 10 12 cells per liter and \pm 5.0% for RBC count > 8.00 x 1012 cells per liter AGB \pm 0.3 g/dL for HGB count of (0.92 to 50.0) x 10 9 cells per liter and \pm 10.0% for PLT counts > 50.0 x 10 9 cells per liter AGB \pm 0.3 g/dL for HGB count of (0.92 to 50.0) x 10 9 cells per liter and \pm 10.0% for PLT counts > 50.0 x 10 9 cells per liter AGB \pm 0.3 g/dL for HGB count of (0.92 to 50.0) x 10 9 cells per liter and \pm 10.0% for PLT counts > 50.0 x 10 9 cells per liter AGB \pm 0.3 g/dL for HGB count of (0.92 to 50.0) x 10 9 cells per liter and \pm 10.0% for PLT counts > 50.0 x 10 9 cells per liter AGB \pm 0.3 g/dL for HGB count of (0.92 to 50.0) x 10 9 cells per liter AGB \pm 0.3 g/dL for HGB count of (0.92 to 50.0) x 10 9 cells per liter AGB \pm 0.3 g/dL for HGB count of (0.92 to 50.0) x 10 9 cells per liter AGB \pm 0.3 g/dL for HGB count of (0.92 to 50.0) x 10 9 cells per liter AGB \pm 0.3 g/dL for HGB count of (0.92 to 50.0) x 10 9 cells per liter AGB \pm 0.3 g/dL for HGB count of (0.92 to 50.0) x 10 9 cells per liter AGB \pm 0.3 g/dL for HGB count of (0.92 to 50.0) x 10 9 cells per liter AGB \pm 0.3 g/dL for HGB count of (0.92 to 50.0) x 10 9 cells per liter AGB \pm 0.3 g/dL for HGB count of (0.92 to 50.0) x 10 9 cells per liter AGB \pm 0.3 g/dL for HGB count of (0.92 to 50.0) x 10 9 cells per liter AGB \pm 0.3 g/dL for HGB count of (0.92 to 50.0) x 10 9 cells per liter AGB \pm 0.3 g/dL for HGB count of (0.92 to 50.0) x 10 9 cells per liter AGB \pm 0.3 g/dL for HGB count of (0.92 to 50.0) x 10 9 cells per liter AGB \pm 0.3 g/dL for HGB count of (0.92 to 50.0) x 10 9 cells per liter AGB \pm 0.3 g/dL for HGB count of (0.92 to 50.0) x 10 9 cells per liter AGB \pm 0.3 g/dL for HGB count of (0.92 to 50.0) x 10 9 cells per liter AGB \pm 0.3 g/dL for HGB count of (0.92 to 50.0) x 10 9 cells per liter AGB \pm 0.3 g/dL for HGB count of (0.92 to 50.0) x 10 9 cells per liter AGB \pm 0.3 g/dL for HGB count of (0.92 to 50.0) x 10 9 cells per liter AGB \pm 0.3 g/dL for HGB liter %R ± 0.5 for %R from 1.0 to 2.5%, and ± 20.0% for %R > 2.5% Related information... • Exit halt mode after the issue is resolved. 269 Principles of operation (Alinity hg)... Supplies (Alinity hq), page 99 Quality control (Alinity hq), page 839 Calibrators (Alinity hq) Calibrators are samples that contain known concentrations of hematology parameters. %IG Displays the percentage of immature granulocyte. 274 After the RBC/PLT dilution is transferred to the remaining sample in the RBC incubation cup for a final dilution of 1:4. Operator ID Displays the ID of the operator logged on when the test was processed. Perform this procedure to verify the precision of a module. 233 Installation procedures and special requirements System configuration Section 2 Cancel selections or entries, or racks inside the module (Alinity hs LUI) NOTE: If results for the same SID are located on more than one module, all module results are exported to the USB flash drive and displayed by module. Test Displays a drop-down list that is used to select one of the following test types: • CBC+Diff: Complete blood count with differential • CBC+Diff+Retic: Complete blood count with differential and reticulocyte L/R Block Displays options for the left and the right incubation blocks: • Left • Right • Both 254 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Installation procedures and special requirements Utilities screen Section 2 Number of Runs Displays and special requirements Utilities screen Section 2 Number of Runs Displays and special requirements Utilities screen Section 2 Number of Runs Displays and special requirements Utilities screen Section 2 Number of Runs Displays and special requirements Utilities screen Section 2 Number of Runs Displays and special requirements Utilities screen Section 2 Number of Runs Displays and special requirements Utilities screen Section 2 Number of Runs Displays and special requirements Utilities screen Section 2 Number of Runs Displays and special requirements Utilities screen Section 2 Number of Runs Displays and special requirements Utilities screen Section 2 Number of Runs Displays and special requirements Utilities screen Section 2 Number of Runs Displays and special requirements Utilities screen Section 2 Number of Runs Displays and special requirements Utilities screen Section 2 Number of Runs Displays and special requirements Utilities screen Section 2 Number of Runs Displays and special requirements Utilities screen Section 2 Number of Runs Displays and special requirements Utilities screen Section 2 Number of Runs Displays and special requirements Utilities screen Section 2 Number of Runs Displays and special requirements Utilities screen Section 2 Number of Runs Displays and special requirements Utilities screen Section 2 Number of Runs Displays and special requirements Utilities screen Section 2 Number of Runs Displays and special requirements Utilities screen Section 2 Number of Runs Displays and special requirements Utilities screen Section 2 Number of Runs Displays and special requirements Utilities Section 2 Number of Runs Displays and special requirements Utilities spin box that is used to edit the number of runs to establish the precision file. IG Displays graphical data for the immature granulocyte count per volume. Returns the slide carrier rack 6. Under Sender Channel on the LAS Communication screen, enter the following information: - IP Address 178 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Installation procedures and special requirements System configuration Section 2 - Port Number 5. Specifications and requirements are provided to ensure that sample bar code label requirements are correctly Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Installation procedures and special requirements System configuration Section 2 Related information... The button switches affixed to sample tubes. IAS x ALL (WBC): Intermediate angle vs. 473 Results management. between Lower Drawer and Upper Drawer. System messages and flags (Alinity hq) page 295 298 Alinity hq) page 295 298 Alinity hq) Section 3 Data flags (Alinity hq) Data flags notify the operator that results for some or all parameters do not meet the acceptance criteria or cannot be displayed. Figure 32: SCC user interface layout Legend: 1. The Alinity hq), page 285 Data analysis for optical measurements (Alinity hq), page 285 Data analysis for optical measurements (Alinity hq), page 289 Analysis for optical measurements (Alinity hq), page 289 Normal case studies (Alinity hq), page 289 Analysis for optical measurements are stored in a Flow Cytometry Standard file and are presented to the algorithm for reportable parameter extraction. IMPORTANT: Retest and reflex rules are not applied unless the supervisor enables the Rules on SCC setting on the Patient Rules screen. Parameters for the interpretive Result configurations: • WBC • NEU • %N • LYM • %L • MONO • %M • EOS • %E • BASO • %B < Lower Limit
Interpretive Result Displays a check box that is used to enable or disable the lower limit flag for the selected parameter. On the Reports screen, tap Auto Print. Any samples that are in process generate results with the last logged-on operator ID until a new operator logs on. On the General tab of the Configure screen, tap Lane Setup. Wayne, PA: CLSI; 2006. Tap Delete File. Bar code reader: Reads the specimen tube bar code to identify the SID Gripper: Picks and places the sample tubes and racks in an Alinity hs module The sample tubes and racks in an Alinity hs module The sample tubes and racks through the Alinity hs module in the following sequence: 1. When a cell is present in the laser beam path, the signal that reaches the forward light detector is decreased mainly because of light scatter. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Installation procedures and special requirements Utilities screen Section 2 Related information. Figure 23: Module (Alinity hs) Legend: 1. RBC tab 892 RBC Displays the red blood cell count per volume. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 185 Installation procedures and special requirements System configuration Section 2 NOTE: On the Patient Rules screen, if the number of slides selected for reflex testing plus the initial Alinity hq test exceeds the tube cap pierce count (puncture limit) of five, the rack is ejected from the Alinity hq module after testing. Last Updated On Displays the date and time that the user profile was most recently edited. Helicobacter pylori (H. QC Result Data Views screen, page 219 Add or delete a tab on the QC screens Operator access level Supervisor Perform this procedure to add or delete a tab on the QC screen, the QC Summary screen, and the Precision Results screen. For product availability in your country, please contact your local Abbott representative. • Delete an existing configuration for limit and delta check. All results were within the maximum allowable differences. 198 To return to the Configure screen, tap Done. NOTE: Updates from current runs are from the selected module and do not include data from another module. Installation procedures and special requirements, page 113 Configure screen, General tab, page 115 Configure screen, System Control Center tab, page 158 Configure screen, Results tab, page 185 Configure screen, Quality Control tab, page 219 Configure screen, Maintenance and Diagnostics tab, page 235 Configure screen, General tab of the Configure screen, General tab of the sample into incubation cups, and the sample aliquots are mixed with reagents. Re-enter New PIN (the confirmation of the new PIN for the selected operator ID) 6. %R Displays graphical data for the percentage of reticulocyte. Comment entered when the backup was created. Channel numbers are presented on the x-axis and the relative number of events in a given s presented on the y-axis. To save the host settings and return to the Configure screen, tap Done. 41 Use breadcrumbs to access a topic. ..41 Redisplay a topic.. .42 Page through the Waste Setup Configure a waste drain or a waste container for an Alinity hq module. 890 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Section 11 Quality control (Alinity hq) Moving ..42 Use the Toggle TOC button. Average programs (Alinity hq) Related information... Available The LAS functionality is initialized and available. System documentation, page 25 Alinity h-series Operations manual description System documentation, page 25 Alinity h-series Operations manual description System documentation... and most accurate resource for informational needs. 252 5. Alert Center: Provides the Alert Center button, which displays a flyout of status indicators for module problems that require attention. For liquid crystal display power specifications, refer to the manufacturer's documentation. Lifts a tube from a closed-tube rack and transports the tube to the resuspension unit 2. Sample loading robot: Stores the smeared slides to complete drying before staining. Time Format Displays the following options: • 12-hour clock (default) • 24-hour clock NOTE: If any other language is changed to English, the time format is automatically changed from the 24-hour clock (default) • 24-hour clock NOTE: If any other language is changed to English, the time format is automatically changed from the 24-hour clock (default) • 24-ho clock format to the 12-hour clock format. Always refer to the latest documents for the most current information. Elements Component name Displays options that are used to configure host interface Options area Displays options that are used to configure host interface Communication. tap Done. 171 Installation procedures and special requirements System configuration Port Number Section 2 Displays a text box that is used to enter the port number. The Alinity hq module transfers the WBC dilution from the WBC incubation cup to the optical flow cell nozzle. Sex Displays the gender options for the patient limit set group: • Male • Female • Unspecified Age Range From Displays two spin boxes that are used to enter the years and days of the lower age range of the patient limit/Delta Check screen, page 200 Create Limit/Delta Check screen, page 200 Create Limit/Delta Check screen, page 199 Edit Limit/Delta Check screen, page 200 Create Limit/Delta Check 205 Patient Rules screen On the Patient Rules screen, the supervisor can perform the following functions: 212 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Installation procedures and special requirements System configuration section 2 • Enable the patient rules on the SCC or the host. For information about actions or conditions that can affect system and assay performance, carefully review Operational precautions and limitations, page 543. Tap a test in the Test drop-down list. 11 General safety information... 46 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 System documentation Procedure map description Figure 12: Procedure map task list Legend: 1. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Performance characteristics and specifications Specifications Specifications (Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Performance characteristics) Target values are derived from the patient population that is analyzed on the system. Home screen, page 81 Halt Details flyout, the operator can view the status and the cause of background and QC failure. At the right side of the navigation pane, slide the scroll bar to view index headings (italic font style) and index entries (plain font style). Band neutrophils are included in the neutrophil granulocyte count. Action Limit (%) Displays the following access level options for the new user: • General (default) • Inactive PIN Displays the following status options for the new user: • Active (default) • Inactive PIN Displays a text box that is used to enter the four-digit personal identification number of the new user: • Active (default) • Inactive PIN Displays the following status options for the new user: • Active (default) • Inactive PIN Displays a text box that is used to enter the four-digit personal identification number of the new user: • Active (default) • Inactive PIN Displays a text box that is used to enter the four-digit personal identification number of the new user: • Active (default) • Inactive PIN Displays a text box that is used to enter the four-digit personal identification number of the new user: • Active (default) • Inactive PIN Displays a text box that is used to enter the four-digit personal identification number of the new user: • Active (default) • Inactive PIN Displays a text box that is used to enter the four-digit personal identification number of the new user: • Active (default) • Inactive PIN Displays a text box that is used to enter the four-digit personal identification number of the new user: • Active (default) • Inactive PIN Displays a text box that is used to enter the four-digit personal identification number of the new user: • Active (default) • Inactive PIN Displays a text box that is used to enter the four-digit personal identification number of the new user: • Active (default) • Inactive PIN Displays a text box that is used to enter the four-digit personal identification number of the new user: • Active (default) • Inactive PIN Displays a text box that is used to enter the four-digit personal identification number of the new user: • Active (default) • Inactive PIN Displays a text box that is used to enter the four-digit personal identification number of the new user: • Active (default) • Inactive PIN Displays a text box that is used to enter the four-digit personal identification number of tex enter tex enter tex enter tex enter tex en generated for system problems requiring immediate attention. Supervisor logon An access level with an operator ID and PIN for the SCC and LUI that is used to perform supervisor functions such as the following examples: • Install and uninstall maintenance and diagnostic procedures. You're Reading a Free Preview Pages 251 to 254 are not shown in this preview. Message Headers area MSH-3 Sending Application Displays a text box that is used to enter the MSH-3 Sending Application for HL7 host messaging for a maximum of 20 alphanumeric characters. Start Time Displays a spin box that is used to edit the start time for scheduled weekly runs. In a flow cytometer, detectors sense scattered light and convert it to electronic signals, which are sent to a computer for storage and analysis. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Installation procedures and special requirements Utilities screen Section 2 LYM Displays the lymphocyte absolute concentration per volume. 50 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Installation procedures and special requirements Utilities screen Section 2 LYM Displays the lymphocyte absolute concentration per
volume. 107 - 2019-09-03 Use or function Alinity h-series hardware overview Section 1 Figure 13: Primary components of an Alinity h-series Legend: 1. Only the system if the status of the user profile is Inactive. Patient Rules area Rules on SCC Displays an option to select patient rules on the SCC. For these parameters, runs of 10 replicates were evaluated for repeatability. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Section 2 Installation procedures and special requirements System configuration Parameters area Each element has a check box that is used to select the parameter. Optical RBC tab ALL mean Displays graphical data for the mean RBC ALL optical signal. In the Standard Deviation area: - If the limits represent standard deviations, tap 2SD or 3SD. Precision file. Repeat step 4, page 154 to configure additional lanes for STAT processing. Reference and statistics area Upper Limit Displays the upper limit of the value of a parameter for the current batch. To disable a rule, tap to clear the check box. It does not gather or access patient, sensitive health or other identifiable personal information ("Personal Data"). Two 10 L cubitainers are loaded in the lower reagent drawer. 88 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Use or function Alinity hq.... .. To edit the system time, use the system-configured format (HH:MM) and type the time in the box or tap the Up Arrow buttons. To set the number of smear slides to produce when the WBC condition is met, enter the slides value or use the Up Arrow button. Red One or more reagents have a status of Expired, Empty, or Not Present. Document Displays the name of the document in the printer queue. Updates to the Information may be provided in either paper or electronic format. The status of the supplies is indicated by the following badges: Green check mark The status of supply items and waste containers for all modules is OK. The Alinity hs menu bar provides these icons: - Home - Sample Tracking - EPS -Test Runs - Lane Status - Module Cover - Reagents Alinity h-series Operations Manual 80000023-107 - 2019-09-03 89 Use or function Alinity system button: Displays a menu of commands. To save the edits to the ASTM communication settings, tap Save/Test. Optical RBC tab ALL mean Displays the mean RBC ALL optical signal. PLT tab PLT Displays the platelet cell count per volume. Short Sample Detection Hardware Failure for the short sample detector. Yellow The volume of the reagent is below the configured low alert setting. RETIC (1.00 to 1000) x 109 cells per liter 0.00 to 9999 % R 0.12% to 25.0%* 0.00 to 999. Each bottle has a unique keyed cap that locks into its appropriate key slot in a bottle holder. Home screen, page 359 Halt Details flyout element descriptions (Alinity hq), page 369 Halt Details flyout element descriptions (Alinity hq). the issue has been corrected. Delete Tab Deletes the active tab on the Result Summary Views screen. To return to the Configure screen, tap the check box, and then type a value in the Limit Value box. IAS2 mean Displays graphical data for the mean RETIC IAS2 optical signal. Alinity h-series Operations 80000023-107 - 2019-09-03 283 Principles of operation Principles of operation (Alinity hq) Section 3 Related information... Level Displays options for the level for Comm Whole Blood Control: Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Quality control (Alinity hq) Section 11 • Low (L) • Normal (N) • Hig (H) Expiration Displays the expiration date. pylori enters your body is unknown. If one incubation block is selected, the module limits the number of cap pierces (punctures) to five. Red triangle One or more reagents have a status of Expired, Empty, or Undefined. QC Settings screen, page 227 Descriptions of screen elements, page 81 Configure the QC scheduler Required instrument status Any status Operator access level Supervisor Perform this procedure to configure the QC scheduler settings. Function buttons 876 Done Saves changes and either displays the previously viewed screen or closes the flyout. elements that are used to display screens, flyouts, and menus. On the System Control Center tab of the Configure screen, tap General Settings. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 109 Use or function Required accessories section 1 Figure 54: Glass slide holder Related information... The system has two categories of optional flags: Delta check status flags The flags are displayed on the Results screen, on the Result Details screen, and in printed reports. NOTE: The speaker volume can be configured at any operator access level. Limit/Delta Check Details area Name Displays a text box that is used to enter the name of the patient limit set group. Compare the printed report to the report that is displayed in the Printer Verification flyout. IAS3 mean Displays the mean RETIC IAS3 optical signal. Channel Status change for the ASTM channel. To save the image and return to the Reports screen, tap OK. User Profile screen, page 126 Change a personal user PIN Perform this procedure to change a user PIN. Create QC File screen (Alinity hq), page 861 Edit QC File screen, the operator can perform the following functions: • Edit control material information and parameter reference values for an existing QC file. NOTE: This element is displayed only when Morphology Flag is selected in the Criteria drop-down list. Log On screen, page 353 Descriptions of screen elements, page 81 Log on Perform this procedure to log on to the Alinity h-series. 403 Supplies Status screen (Alinity hq LUI)... Add Tab Displays the Add Tab flyout, 43 Print a .. To save the edits to the QC scheduler settings, tap Save. Tap the row of the reagent to edit. Limit/Delta Check Create, edit, or delete the limit and delta check settings for a selected topic from the operations manual. ...44 Procedure map description.... patient group and create retest or reflex rules if patient rules are enabled on the SCC. Control analysis (Alinity hq), page 882 Run controls by closed-tube processing (Alinity hq) Prerequisite A passing whole blood background test (CBC+Diff+Retic) Required instrument status Running Perform this procedure to run controls by closed-tube processing (Alinity hq). In the list in the Select Image flyout, tap an image. 441 Specimen mixing. To view the carryover results for the left incubation block, tap the option for the block. 328 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Performance characteristics and specifications Specifications and requirements Section 4 Table 27: Short-term imprecision (repeatability) limits of hematology parameters for CBC+Diff+Retic (N=32 per study except where indicated) Parameter Range of Sample Means Tested Range (SI Units) (SI Units) (SI Units) WBC 4.11 - 6.77 NEU 1.58 - 4.24 LYM 0.94 - 2.3 MONO 0.31 - 0.6 EOS 0.09 - 0.41 BASO 0.00 - 0.1 IG* 0.23 - 6.40 NRBC* 0.14 - 1.63 RBC 4.42 - 5.92 HCT 41.21 - 51.82 MCV 86.97 - 96.91 HGB 12.78 - 17.14 RETIC 51.84 - 116.44 IRF 0.22 - 0.37 PLT 137.38 - 307.5 MPV 6.59 - 9.46 %rP 1.34 - 4.31 Alinity h-series Operations Manual 80000023-107 2019-09-03 Specification > 4.00 x 109 cells per liter ≤ 2.5 CV% ≤ 4.00 x 109 cells per liter > 2.00 x 109 cells per liter ≤ 5.0 CV% $109 \le 2.00$ x 109 cells per liter ≤ 2.0 $109 \le 0.60$ x cells per liter SD ≤ 0.06 x 109 cells per liter SD ≤ 0.06 x 109 cells per liter SD ≤ 0.40 x 109 cells per liter SD ≤ 0.05 x 109 cells per liter SD $\le 0.$ liter > 1.00 x 109 cells per liter SD \leq 15.0 CV% 109 \leq 1.00 x cells per liter SD \leq 0.15 x 109 cells per liter > 4.00 x 1012 cells per liter > 45.00 % SD \leq 0.90 % N/A \leq 1.0 CV% > 12.00 g/dL \leq 1.0 CV% \leq 12.00 g/dL \geq 0.16 g/dL > 200.00 x 109 cells per liter SD \leq 0.15 x 109 cells per liter > 4.00 x 1012 cells per liter > 45.00 % SD \leq 0.90 % N/A \leq 1.0 CV% > 12.00 g/dL \leq 1.0 CV% \leq 12.00 g/dL > 200.00 x 109 cells per liter > 45.00 % SD \leq 0.90 % N/A \leq 1.0 CV% > 12.00 g/dL \geq 0.16 g/dL > 200.00 x 109 cells per liter > 45.00 % SD \leq 0.90 % N/A \leq 1.0 CV% > 12.00 g/dL > 200.00 x 109 cells per liter > 45.00 % SD \leq 0.90 % N/A \leq 1.0 CV% > 12.00 g/dL > 200.00 x 109 cells per liter > 45.00 % SD \leq 0.90 % N/A \leq 1.0 CV% > 12.00 g/dL > 200.00 x 109 cells per liter > 45.00 % SD \leq 0.90 % N/A \leq 1.0 CV% > 12.00 g/dL > 200.00 x 109 cells per liter > 45.00 % SD \leq 0.90 % N/A \leq 1.0 CV% > 12.00 g/dL > 200.00 x 109 cells per liter > 45.00 % SD \leq 0.90 % N/A \leq 1.0 CV% > 12.00 g/dL > 200.00 x 109 cells per liter > 45.00 % SD \leq 0.90 % N/A \leq 1.0 CV% > 12.00 g/dL > 200.00 x 109 cells per liter > 45.00 % SD \leq 0.90 % N/A \leq 1.0 CV% > 12.00 g/dL > 200.00 x 109 cells per liter > 45.00 % SD \leq 0.90 % N/A \leq 1.0 CV% > 12.00 g/dL > 200.00 x 109 cells per liter > 45.00 % SD \leq 0.90 % N/A \leq 1.0 CV% > 12.00 g/dL > 200.00 x 109 cells per liter > 45.00 % SD \leq 0.90 % N/A \leq 1.0 CV% > 12.00 g/dL > 200.00 x 109 cells per liter > 45.00 % SD \leq 0.90 % N/A \leq 1.0 CV% > 12.00 g/dL > 200.00 x 109 cells per liter > 45.00 % SD \leq 0.90 % N/A \leq liter ≤ 7.0 CV% ≤ 200.00 x 109 cells per liter SD ≤ 14.0 cells per liter > 0.40 ≤ 7.0 CV% ≤ 0.40 SD ≤ 0.03 109 ≤ 4.0 CV% > 50.00 x cells per liter SD ≤ 2.50 x 109 cells per liter SD ≤ 2.50 x rements Parameter Section 4 Range of Sample Means Tested Range (SI Units) (SI Units) MCH 27.18 - 31.61 MCHC 31.04 - 34.22 MCHr 28.18 - 35.27 RDW 11.36 - 16.29 Specification $\leq 10.00\%$ SD ≤ 1.5 CV% ≤ 25.00 pg SD ≤ 0.38 pg > 30.00 g/dL ≤ 1.5 CV% ≤ 30.00 g/dL SD ≤ 0.45 g/dL > 25.00 pg $\leq 3.0 \cup V\% \leq 25.00 D0$ SD ≤ 0.75 pg > 15.00% ≤ 1.5
CV% ≤ 15.00% SD ≤ 0.23% * Abnormal specimens were used to evaluate repeatability for IG and NRBC. To return to the Limit/Delta Check screen, tap Done. Alinity h-series hardware overview Section 1 Figure 25: Lane status indicators (Alinity hs) Lanes A, B, and C are used for input of glass slide holders. Each task has a list of links to related procedures. • Edit a user name, the access level, and the status. Specifications and requirements, page 327 Carryover, page 327 Short-term imprecision (repeatability) (Alinity hq), page 328 326 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Performance characteristics and specifications Specifications Specifications and requirements section 4 Background concentrations are used to confirm the baseline performance of the instrument where no actual sample is aspirated. Light scatter principles (Alinity hq), page 281 Fluorescence is a phenomenon in which scattered light is absorbed at one wavelength and is emitted at a longer wavelength. 360 Halt Details flyout (Alinity .370 Descriptions of instrument statuses.. ...375 Host Connection Status flyout. .369 Home screen (LUI) element descriptions... .377 Printer Status/Queue ha). 106 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Section 1 Use or function Required accessories Figure 51: Closed-tube rack Related information... Wait for the Log On screen to display .379 LAS Connection Status flyout.. flyout.. on the computer. IRF Displays the immature reticulocyte fraction. Function buttons Shutdown Displays a message requesting confirmation to shut down the module. This plot is especially useful for demonstrating increased numbers of large/giant platelets and very small RBC. LYM Displays lymphocyte count per volume. %M Displays graphical data for the percentage of monocyte. Graph Size Displays the options that are used to specify the size of the graph: • Small (default) • Medium • Large Alinity h-series Operations Manual 80000023-107 - 2019-09-03 195 Installation procedures and special requirements System configuration Graph Selections Section 2 Displays 12 drop-down lists that are used to select the graphs to display on the detail report tabs of the Result Details screen. 617 Recover the module (Alinity hq LUI).. . NOTE: The recommended number of runs is 20. IAS mean Displays the mean RBC IAS optical signal. For the CLRW-compliant water supply, a water purification system is used. SEQ Displays the sequence number of the patient result. Test Displays a drop-down list that is used to select one of the following test types: • CBC+Diff+Retic: Complete blood count with differential and reticulocyte Standard Deviation Alinity h-series Operations Manual 80000023-107 -2019-09-03 Displays standard deviation options: 877 Quality control (Alinity hg) OC files (Alinity hg) OC file The following special characters are allowed: . The aspiration probe dispenses 8.5 µL of blood into the RBC incubation cup. Operator ID Displays the operator ID of the user. The values are used as default target values to begin X-B analysis. Read me first, page 11 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 19 Intellectual Property statement Read me first Intellectual Property statement The green and blue striping, ALINITY, and related brand marks are trademarks of Abbott Laboratories in various jurisdictions. Load Stat Rack screen. Smear Time Exceeded The slide was not smeared within 20 seconds of the end of dispense. Module (Alinity hg), page 54 Whole blood parameters (Alinity hg), page 56 Whole blood cell parameters: WBC White Blood Cell concentration NEU Neutrophil absolute concentration %N Neutrophil percentage of WBCs (%NEU) LYM Lymphocyte absolute concentration %L Lymphocyte percentage of WBCs (%LYM) MONO Monocyte absolute concentration %B Basophil absolute concentration %E Eosinophil absolute concentration %I Monocyte percentage of WBCs (%BASO) IG Immature Granulocyte concentration %IG Immature Granulocyte percentage The following list provides terms and definitions for red blood cell parameters: 56 RBC Red Blood Cell concentration HGB Hemoglobin concentration HGB Hemoglob MCH Mean Cell Hemoglobin MCHC Mean Cell hemoglobin Occentration RDW Red Blood Cell Distribution Width NRBC sper 100 WBCs RETIC Reticulocyte concentration (RETC) MCHr Mean cell hemoglobin of the reticulocyte %R Reticulocyte percentage of RBCs (%RETC) IRF Immature Reticulocyte Fraction The following list provides terms and definitions for platelet parameters: PLT Platelet concentration MPV Mean Platelet Volume %rP Reticulated Platelet percentage Related information... 468 Lane Status screen (LUI)... ..469 Lane Status screen (LUI) element ..470 Eject a rack.. ...469 Resume and eject all racks (Alinity hg)... .470 Load STAT Rack screen (LUI). Status Displays one of the following descriptions.. statuses for the printer: OK or Error. 284 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Principles of operation (Alinity hq) Section 3 Related information... To delete a time from the list, tap the time, and then tap Delete. Moving Average button Maintenance button Navigates to the X-B tab on the Sealed System performance is expected to meet or exceed the specifications. NOTE: After the power is turned on, the module initializes and the instrument status transitions to Stopped. Tap Move Tab Right to move the tab Batches screen for the module selected. 605 System Logs screen. one position to the right or tap Move Tab Left to move the tab one position to the left. Elements Name Displays the name of each configured printer. 2 (1994): 157-74. Operator Displays a drop-down list that is used to select an operator for a patient rule. Help button: Provides access to the Help for the active screen, a flyout, or a message code. To delete the edits to the user profile settings and return to the User Profile screen, tap Cancel. Comment for the reagent. • Configure Results Summary and Details screen views and reports. A floor drain must be located within 3 m (9 ft) from the reagent. Backup area, enter the time of the daily automatic backup. NOTE: The action value is configured on the Moving Average Setup screen. Delete Selected Deletes selected Deletes selected print requests from the printer queue. NOTE: To filter the operator IDs, tap Search. The supervisor can configure the unit format settings for whole blood specimens. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 97 Use or function Required consumables Section 1 • Rinses the aspiration and pierce probes between samples. NOTE: Do not pierce the reagent bottle septum more than three times. Specifications and requirements, page 318 Water purification system (WPS) specifications The water purification system (WPS) provides clinical laboratory reagent water (CLRW) compliant purified water to the Alinity hq module as requested for the sheath fluid and for system rinsing. Halt Details flyout (Alinity hq), page 369 Home screen (LUI) element descriptions, page 370 Eject a rack, page 470 Halt behavior (Alinity hq), page 627 Recover a module from halt mode (Alinity hq), page 628 Run a background count (Alinity hq LUI), page 887 Westgard rules analysis (Alinity hq), page 889 5001 AutoClean, page 591 Evaluation of control results (Alinity hq), page 884 Moving Average programs (Alinity hq), page 887 Westgard rules analysis (Alinity hq), page 884 Moving Average programs (Alinity hq), page 884 Moving Average programs (Alinity hq), page 887 Westgard rules analysis (Alinity hq), page 884 Moving Average programs (Alinity hq), page 884 Moving Average programs (Alinity hq), page 887 Westgard rules analysis (Alinity hq), page 884 Moving Average programs (Alinity hq), page 884 Moving Ave 884 Home screen (LUI) element descriptions Menu bar Alert Center - Alert badge The red triangle (alert badge) navigates to the Alerts tab in the Alert Stab in the Alert Stab in the Alert Center flyout. Displays the expiration date for the reagent currently in use. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 335 Performance characteristics and specifications Specifications and requirements Component Label stock. Flagging Threshold screen, page 81 Configure the flagging threshold screen elements, page 81 Configure t to configure the flagging threshold. LYM IAS2 mean Displays the mean LYM IAS2 signal at the detector. WBC Reagent Displays the lot number of the WBC reagent used to process the sample. IG Displays immature granulocyte count per volume. Tap the Plus button b. Sample aspiration The Alinity hs module aspirates a nominal volume of sample through the aspiration probe. To save the edits to the printer settings, tap Done. Displays the current theme options: Light Bar Changes the theme bar to a light color. Do not stare into the beam. Audio Settings screen, page 163 Descriptions of screen elements, page 81 Configure audio settings Required instrument status Any status Operator access level Supervisor Perform this procedure to configure the audio settings for the system. Save/Tests previously defined settings and saves changes. To return to the procedure map, tap the Procedure Map button. Statuses are indicated by the following colors: SN Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Green The reagent item has not yet exceeded the onboard stability. At the right side of the navigation pane, slide the scroll bar to view the glossary terms. The Available Files tab has five file statuses: • Current • New • Update • Installed • Previous Function buttons 236 Done Saves changes and either displays the previously viewed screen or closes the flyout. Delete Rule Deletes one or more selected patient rules from the list of configured patient rules. 137 Installation procedures and displays the previously viewed screen or flyout. Configured patient rules from the list of configured patient rules. descriptions, page 131 Printers screen, Print flyout element descriptions, page 132 Printer Queue flyout
element descriptions, page 133 Add a printer, page 133 Add a printer, page 133 Add a printer, page 134 130 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Installation procedures and special requirements System configuration Section 2 Verify a printer, page 135 Change the default printer, page 136 Remove a printer, page 136 Printers screen element descriptions. On the Printers screen, Results tab, page 185 Interpretive Results screen element descriptions, page 216 Configure interpretive results, page 218 Interpretive Results screen element descriptions WBC Interpretive Results area Displays the WBC parameters that can be added for high and low flagging of results. IMPORTANT: If both the left and the right incubation blocks are used, the module limits the number of cap pierces per tube to four pierces. 96 Supplies (Alinity Reagent Notification area Module Type Displays the options that are used to configure the module type: • Alinity hs Notification when Remaining Tests Displays the options that are used to configure the number of remaining tests to create the audio notification: • hg) < 50 (Alinity hg) • < 100 • < 150 (default) • < 200 • < 250 (Alinity hg) Function buttons 164 Done Saves changes and either displays the previously viewed screen or closes the flyout. Seek button 3. Commercial whole blood calibrators and assayed whole blood specimens are two types of calibrators that are used to calibrate the Alinity hq for RBC, HGB, MCV, PLT, and MPV. When both incubation blocks are selected, half the total number of runs are performed on each block. 564 Spill cleanup. .565 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 7 Table of contents Requirements for Start Time Displays a spin box that is used to edit the start time for scheduled daily runs. Each lane has sensors that detect the presence and position of racks. The + Done button displays the operator ID that was entered. Alinity h-series Operations Manual 80000023-107 - 2019decontamination 09-03 157 Installation procedures and special requirements System configuration Section 2 NOTE: It is not necessary for the two Alinity hg modules to have the same test setup. Alinity hg modules to have the same test setup. Principles of moving average analysis (Alinity hq), page 888 Moving Average program operations (Alinity hq), page 890 Halt behavior (Alinity hq), page 800 Halt control (Alinity hq) Moving Average analysis, which is an automated means to monitor performance by using the known stability of the red cell indices (MCV, MCH, MCHC). For the Wright-Giemsa stain, the operator can configure the protocols 5 through 7. Sealed Batches screen (Alinity hg), page 894 Levey-Jennings (MA) screen, the operator can view Levey-Jennings (MA) screen, the operator can view Levey-Jennings (MA) screen (Alinity hg) on the Levey-Jennings (MA) screen (Alinity hg) and type the time in the box or tap the Up Arrow and Down Arrow buttons. IAS mean Displays the mean RETIC IAS optical signal. Moving Average program operation (Alinity hq), page 890 Current Batch screen element descriptions (Alinity hq), page 890 Current Batch screen, tabs are available to view current batch data for the Moving Average program. Perform this procedure to clear all queued results messages that are pending transmission to the host. Parameter Displays the parameters that are reportable for the QC file. 36 Operations manual use... .38 Access the operations ...39 Use the table of contents.. • Edit a reagent comment. Abbott glass slides have been optimized for use with Alinity hs. 571 Probes and other manual .38 Display and use the procedure map... sharps .571 Laser light .571 Heavy objects.. ..572 Service, maintenance, and diagnostics.. . To return to the Configure screen, tap Done. Version Displays the version of the procedure. • Configure the following sample-processing settings for Alinity hs: - Specimen type - Test type - Tap the check box to display or remove a parameter as a column. We look forward to serving your needs in any way possible. Forward light scatter assembly The forward light scatter assembly Forward light scatter assembly and forward light scatter assembly forward light scatter

NOTE: On the Alinity hs, the time and date format configured on the SCC is printed on the smeared slide. Table 3: Content conventions 28 Description Use Safety symbols and the CAUTION signal word Identify activities that expose the operator to potentially dangerous conditions. System installation and relocation, page 114 Requirements for decontamination, page 566 114 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Installation procedures and special requirements System configuration Section 2 System configuration Section 2 System configuration settings define the information that the Alinity h-series needs to meet laboratory specific requirements. RETIC Displays the RETIC results of a carryover run. Breadcrumbs: Provide a trail of topics that were previously accessed Topic content: Provides information... Configure screen, Maintenance and Diagnostics tab, page 235 Maintenance Scheduler screen element descriptions, page 239 Configure the maintenance scheduler, page 240 Maintenance scheduler screen element descriptions On the Maintenance scheduled times to run daily and weekly maintenance scheduler screen, the supervisor can configure scheduler screen element descriptions on the printer. Figure 40 Maintenance scheduler screen, the supervisor can configure the maintenance scheduler screen element descriptions on the Maintenance scheduler screen element descriptions on the printer. 11: Procedure map Legend: 1. Shutting Down The LAS functionality is being shut down to exit the SCC. - To turn on or turn off the nonalerted results, tap a topic title. X-B tab MCV Displays graphical data for the mean cell volume of RBCs. MCH Displays graphical data for the mean cell hemoglobin. On the Version Data screen, view the version data. The mean that is calculated for each batch that is compared to the target value and its action limits. The sender of any information to Abbott is fully responsible for its content, including its truthfulness and accuracy and its non-infringemen of any other person's proprietary rights. Host button WPS Displays the Host Connection Status flyout. For example, if Lab ID is entered in the Right Field box. 15 seconds Buffer wash bath 15 seconds Buffer spike 4% stain 50% stain To save the custom stain protocol, tap Save. - Tap the Down Arrow button for a selected demographic to move its column one position to the right. The operator must enter a user name and password to unlock the screen. IMPORTANT: As the SID is longer than what is printed. Tap Edit Comment. • The host connection status is enabled. Slide stain processing The smeared slide did not stay in the Buffer Bath to within issue in Buffer bath 10 seconds of the user-configured time. Only one printer can be configured time. Personal Data is removed from operational data prior to AbbottLink retrieval. On the Quality Control tab of the Configure screen, tap QC Result Data Views. Dark Bar Changes the theme bar to a dark color. HGB Displays the hemoglobin concentration. 250 Alinity h-series Operational data prior to AbbottLink retrieval. On the Quality Control tab of the Configure screen, tap QC Result Data Views. special requirements Utilities screen Section 2 Precision File Data area File Status Displays the file status options: • Enabled (default) • Disabled File Name Displays a text box that is used to examine the count rate in the list mode file. To restore the animation to its original size, tap the Full Screen toggle button again. button The Previous Folder button avigates to the previous Folder. For U.S. patent information, see abbott.us/patents. Sample Processing settings (Alinity hq) Required instrument status Any status Operator access level Supervisor Perform this procedure to configure default sample-processing settings for an Alinity hq module. The higher speed of the sheath fluid that surrounds the WBC dilution stream so that individual cells can be counted. Tap Browse. Screen tips Display an information button when a cursor is positioned over a data entry box on the user interface to display information about the type of data to be entered in the box. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Operations Manual use System documentation 2. Home screen, page 359 380 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Operating instructions The LAS Connection Status flyout element descriptions, page 381 LAS Connection Status flyout element descriptions. The user interface Alinity h-series Operations Manual 80000023-107 is common among all Alinity systems. The channel displays one of the following statuses: Connected, Connecting, Idle, Error, or Disabled. Abbott Laboratories is not engaged in rendering medical advice or services. 453 Open Tube screen (LUI)... 2019-09-03 253 Installation procedures and special requirements Utilities screen Action 2 Related information... Configure audio settings, page 163 Audio Settings screen element descriptions, page 163 Audio Settings screen displays the audio settings. 10. To delete the edits to the interpretive result settings, tap Cancel. • Module: Displays a drop-down list that is used to select the Alinity hq module from which to copy the QC file. Performance of non-Abbott glass slides should be verified on the system according to laboratory procedure. Version Data screen, page 243 Backup/Restore screen On the Backup/Restore screen of the SCC, the system administrator can perform the following functions: • Restore a backup of the SCC database. The slides are dried in the sample loading robot. The following list provides descriptions of system messages for the Alinity hq: Aspiration Probe Assembly Failure Alinity h-series Operations Manual 80000023-107 - 2019-09-03 A step loss error occurred with the aspiration probe during sample aspiration or sample dispense. Sex Displays the gender of the Print to File was selected in the Print Location dropdown list, perform the following steps to indicate the file destination: a. NOTE: The list of QC files in the File drop-down list is based on the specimen type and control. Rules on SCC area Leukopenia Smear Case 1 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Displays the parameters to configure and control. for leukopenia smear case 1. Patient Name Displays the first, middle, and last name of the patient. The icon is displayed when the specimen type is whole blood specimen for controls. Under Details on the graphs. Entries are sorted by subject and relevance and include terms for all experience levels and informational types that range from general to specific. 393 Operating instructions Reagent inventory management Section 5 Function buttons Lower Drawer Navigates to the status of the reagents in the lower drawer. and monitor the module performance. Home link 2. NOTE: If a printer is not configured, the Printer button is not displayed. Green (blinking) The glass slide holder is empty and is ready for removal. 146 Tap the Enable Buffer Spike check box to enable the buffer spike. 358 Home Default Displays a check mark if the printer is configured as the default printer. Create Order screen. When a System menu command is selected, the associated screen is displayed. NOTE: Reagent containers cannot be replaced if screen the module is not connected to the SCC. • Review the Cal Factor History for records of recent calibration. Data flags (Alinity hq), page 299 Numerical result flags are displayed if a numerical result flags are displayed if a numerical result flags (Alinity hq). Incremental manual updates may cause the Master Table of Contents or Master Index page numbering to change. System cycle power, start, pause, and stop, page 346 Pause the module from Running to Idle. On the toolbar, tap the Procedure Map button 2. Section 1 Icons: Navigation elements that provide access to specific screens and functions. On the Summary tab, tap Export Reagents. Module (Alinity hs) Status indicators (Alinity hs) Status indicators are located above each lane. range for one or more system temperature sensors. pylori infection. Users screen, page 81 Users screen, bage 81 Users deviation of all values of a parameter for the precision file. This intuitive user interface provides a real-time display of each system interaction and optimizes productivity. On the Install/Uninstall Procedures screen, tap the Installed Files tab. Repeating the measurement eliminates the potential for carryover and generates valid results. • Action limit: This limit is the acceptable amount of variation to shut down the system. In the Left Field Line 2 boxes, type the necessary information. Module Displays the module serial number and name. Table 8: May-Grünwald-Giemsa alternative coloration for factory-set stain protocol 3 (default) MGG Protocol 3 (default) MGG Protocol 3 (default) MGG Protocol 4 MGC Pro Protocol 5 MGG Protocol 6 (high intensity) MGG Protocol 7 MGG Protocol 7 MGG Protocol 7 MGG Protocol 8 312 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Principles of operation (Alinity hs) Section 3 Staining Protocol 5 MGG Protocol 7 MGG Protoco Buffer spike MGG Protocol 9 Table 9: Wright-Giemsa factory-set stain WG Protocol 1 Whole Blood 30 seconds 15 seconds 30 seconds 15 seconds 30 s 120 seconds 15 seconds 0% stain WG Protocol 4 Whole Blood User defined Table 10: Wright-Giemsa alternative coloration for factory-set stain protocol 3 (default) Alinity h-series Operations Manual 80000023 (default) Alinity h-series Operations (default) Alinity h-series Operations (default) Alinity h-series Operations (default) Alinity h-series (default) Alinity h-series (default) Alinity h-series (default) Alinity h-series 107 - 2019-09-03 313 Principles of operation Principles of operation (Alinity hs) Staining Protocol Erythrocytes and Platelets Neutrophils Basophils WG Protocol 4 (high intensity) Related information... Specimen requirements, page 341 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 343 Performance
characteristics and specifications Specifications Specifications and requirements Section 4 NOTES 344 Alinity h-series (Alinity hq), and requirements Section 5 Operating procedures on the Alinity h-series. Control analysis (Alinity hq), page 882 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 883 Quality control (Alinity hq) Evaluation of control results (Alinity hq) Evaluati problems. Import Displays the Import from Assay File flyout to import a QC file from a USB flash drive. Measurement techniques (Alinity hq), page 275 Optical scatter and fluorescence technologies (Alinity hq), page 281 Light scatter principles (Alinity hq), page 281 Light scatter and fluorescence technologies (Alinity hq), page 281 Light scatter and fluorescence technologies (Alinity hq), page 281 Light scatter and fluorescence technologies (Alinity hq), page 281 Light scatter and fluorescence technologies (Alinity hq), page 281 Light scatter and fluorescence technologies (Alinity hq), page 281 Light scatter and fluorescence technologies (Alinity hq), page 281 Light scatter and fluorescence technologies (Alinity hq), page 281 Light scatter and fluorescence technologies (Alinity hq), page 281 Light scatter and fluorescence technologies (Alinity hq), page 281 Light scatter and fluorescence technologies (Alinity hq), page 281 Light scatter and fluorescence technologies (Alinity hq), page 281 Light scatter and fluorescence technologies (Alinity hq), page 281 Light scatter and fluorescence technologies (Alinity hq), page 281 Light scatter and fluorescence technologies (Alinity hq), page 281 Light scatter and fluorescence technologies (Alinity hq), page 281 Light scatter and fluorescence technologies (Alinity hq), page 281 Light scatter and fluorescence technologies (Alinity hq), page 281 Light scatter and fluorescence technologies (Alinity hq), page 281 Light scatter and fluorescence technologies (Alinity hq), page 281 Light scatter and fluorescence technologies (Alinity hq), page 281 Light scatter and fluorescence technologies (Alinity hq), page 281 Light scatter and fluorescence technologies (Alinity hq), page 281 Light scatter and fluorescence technologies (Alinity hq), page 281 Light scatter and fluorescence technologies (Alinity hq), page 281 Light scatter and fluorescence technologies (Alinity hq), page 281 Light scatter and fluorescence technologies (Alinity hq), page 281 Light scatter and fluorescence techno Fluorescence principles (Alinity hg), page 284 Optical scatter and fluorescence technologies (Alinity hg) Optical scatter and fluorescence measurements are performed by the optical bench assembly. Alinity h-series Operation Structure and fluorescence measurements are performed by the optical scatter and fluorescence measurements are performed by the optical scatter and fluorescence measurements are performed by the optical scatter and fluorescence measurements are performed by the optical scatter and fluorescence measurements are performed by the optical scatter and fluorescence measurements are performed by the optical scatter and fluorescence measurements are performed by the optical scatter and fluorescence measurements are performed by the optical scatter and fluorescence measurements are performed by the optical scatter and fluorescence measurements are performed by the optical scatter and fluorescence measurements are performed by the optical scatter and fluorescence measurements are performed by the optical scatter and fluorescence measurements are performed by the optical scatter and fluorescence measurements are performed by the optical scatter and fluorescence measurements are performed by the optical scatter and fluorescence measurements are performed by the optical scatter and fluorescence measurements are performed by the optical scatter and fluorescence measurements are performed by the optical scatter and fluorescence measurements are performed by the optical scatter and fluorescence measurements are performed by the optical scatter and fluorescence measurements are performed by the optical scatter and fluorescence measurements are performed by the optical scatter and fluorescence measurements are performed by the optical scatter and fluorescence measurements are performed by the optical scatter and fluorescence measurements are performed by the optical scatter and fluorescence measurements are performed by the optical scatter and fluorescence measurements are performed by the optical scatter and ALL (WBC) FL1 x ALL (WBC): Fluorescence vs. Last Updated By Displays the operator ID of the system administrator who most recently edited the user profile. Under Graph tab of the Host Setup screen, tap an option for each of the following settings: - Histogram - Graph Image Size [pixels] 8. 314 . QC Settings screen, page 227 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 229 Installation procedures and special requirements System configuration Section 2 Moving Average Setup screen, the supervisor can perform the Performance characteristics and specifications.. following functions: • Enter the acceptance range, the target value, and the action limits for individual Moving Average programs. IRF Displays graphical data for the immature reticulocyte count per volume. Empty Reagent Bottles Displays the number of empty reagent bottles on the system. To close the AbbottLink Connection Status flyout, tap Done. Moving Average programs (Alinity hq), page 887 Guidelines to set up the X-B program (Alinity hq), page 888 Establish the target value for Moving Average programs (Alinity hq), page 889 Guidelines to set up other Moving Average programs (Alinity hq), page 889 Guidelines to set up the X-B program (Alinity hq), page 888 Establish the target value for Moving Average programs (Alinity hq), page 889 Guidelines to set up the X-B program (Alinity hq) The default acceptance limits have been set up so that at least 95% of patient results are used in the X-B program calculation. An enlarged image and description of each scatterplot and histogram are shown below. Table 6: Optional flags (Alinity hg) Based on parameter Nucleated Red Blood Cells NRBC Nonviable white blood cells Nonviable WBC IG IG Thrombocytopenia PLT Thrombocytosis PLT Leukopenia WBC Leukocytosis WBC Neutrophilia NEU & %N Lymphocytosis LYM & %L Alinity h-series Operation (Alinity hq) Section 3 Optional 80000023-107 - 2019-09-03 303 Principles of operation (Alinity hq) Section 3 Optional 80000023-107 - 2019-09-03 303 Principles of operation (Alinity hq) Section 3 Optional 80000023-107 - 2019-09-03 303 Principles of operation (Alinity hq) Section 3 Optional 80000023-107 - 2019-09-03 303 Principles of operation (Alinity hq) Section 3 Optional 80000023-107 - 2019-09-03 303 Principles of operation (Alinity hq) Section 3 Optional 80000023-107 - 2019-09-03 303 Principles of operation (Alinity hq) Section 3 Optional 80000023-107 - 2019-09-03 303 Principles of operation (Alinity hq) Section 3 Optional 80000023-107 - 2019-09-03 303 Principles of operation (Alinity hq) Section 3 Optional 80000023-107 - 2019-09-03 303 Principles of operation (Alinity hq) Section 3 Optional 80000023-107 - 2019-09-03 303 Principles of operation (Alinity hq) Section 3 Optional 80000023-107 - 2019-09-03 303 Principles of operation (Alinity hq) Section 3 Optional 80000023-107 - 2019-09-03 303 Principles of operation (Alinity hq) Section 3 Optional 80000023-107 - 2019-09-03 303 Principles of operation (Alinity hq) Section 3 Optional 80000023-107 - 2019-09-03 303 Principles of operation (Alinity hq) Section 3 Optional 80000023-107 - 2019-09-03 303 Principles of operation 80000023-107 - 2019-09-03 303 Principles of operation 80000023-107 - 2019-09-03 303 Principles of operation 80000023-107 - 2019-09-03 40000023-107 - 2019-09-03 40000023-107 - 2019-09-03 40000023-107 - 2019-09-03 40000023-107 - 2019-09-03 40000023-107 - 2019-09-03 40000023-107 - 2019-09-03 40000023-107 - 2019-09-03 40000023-107 - 2019-09-0000000000000000 customer-definable alerts (Alinity hq) Based on parameter Monocytosis RDW Reticulocytosis RETIC & %R Immature Reticulocytosis RETIC & %R I power to the system after configuring or reconfiguring the system. UPS See uninterruptible power supply, page 907. The slide carrier is lowered into the smear fix bath. From Displays a text box that is used to enter the export start date. the Carryover screen. Perform the following steps: a. Function buttons 222 Done Saves changes and either displays the previously viewed screen or closes the flyout. The upper drawer contains the following reagents: • Smear fix • May-Grönwald-Giemsa stain or Wright-Giemsa stain Two 1 L bottles for each reagent can be loaded to transition from an empty bottle to a full bottle without an interruption in system operation. • Access the Precision screen. Yellow The control is scheduled time. In the Print flyout, to rotate the document, use the Rotate toolbar. 335 Specimen requirements.. .. To delete the image, tap Cancel. Carryover Details screen, page 264 Descriptions of screen elements, page 81 Descriptions of specimen type icons, page 191 View or print the Licenses Operating instructions. .345 System cycle power, start, pause, and stop... Report Required materials USB flash drive (Print to File option only) Perform this procedure to view or print the Licenses Report. Environmental specifications and requirements, page 323 Operating noise level and heat output the following noise levels and heat output the following noise levels and heat output can be expected as a part of normal operation. Under Daily Scheduler, perform the following steps: - Tap the Automatically run maintenance procedures at scheduled time check box to enable automatic maintenance. Exit Halt mode exits Halt mode displayed as green. Exceptions Displays the number of exceptions that have not been rerun or released. On the Result Summary Views screen, tap the tab to rename. Place the tubes in a closed-tube rack. Critical message:
Provides information about conditions or errors of module operation. individual module to view reagent information. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 117 Installation procedures and special requirements System configuration Level Section 2 Displays one of the following statuses for the user: Active The user can log on to the system if the status of the user profile is Active. Type the number of seconds in the Query Timeout (Second) box. For optical Moving Average graphs, the upper and lower limits represent the range of the detector and the middle line represents the target value. When a confirmation message is displayed, tap Yes. a. As topics are selected in the navigation pane, a trail of the selected topics, or breadcrumbs, is displayed at the top of the topic pane. Instrument Status icon Reagent Status icon Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Displays the overall instrument status for all system modules. Utilitie: screen, page 243 Precision screen element descriptions, page 250 Edit File screen, the operator can create, edit, export, delete, and view the results of a precision file. For RETC, the assay classification is based on ALL, IAS2, PSS, and FL1. Alerts are Alinity h-series Operating instructions Home screen Section 5 generated for system problems that require immediate attention. You're Reading a Free Preview Pages 217 to 243 are not shown in this preview. Targets and limits can be updated after the QC file is created. Figure 66: Histogram example Related information... Minimum bar code width is 12.7 mm (0.5 in). PSS mean Displays the mean RBC PSS optical signal. 587 Maintenance Specimens need to represent the typical patient population of the laboratory. To delete the changes to the halt behavior settings, tap Save. • Update QC file targets, ranges, or both targets and ranges from current runs in the QC file or from another procedure descriptions existing QC file. A result that is below the tested AMR should be interpreted with caution. Under Interpretive Results on the IC Result Data Views screen, perform the following steps: - For the IG parameter, tap the check box, and then type a value in the Limit Value box. To delete a tab, perform the following steps: - For the IG parameter, tap the check box, and then type a value in the Limit Value box. a. Bold font style Emphasizes key words in procedures. No Inflow (manual) The operator disabled the rack inflow for the module. The waste container is configured by the user. Type Displays the module type as Alinity h. A Specifications and requirements Section 4 Minimum characters for system Bar code symbology Elements per characters the Data Matrix bar code is not printed on the slide, the human readable format will show the whole SID in the printing area. The Available Files tab has one procedure type: Maintenance. In the Target/Range area, tap an option for the information to update. To save the edits to the user profile settings and return to the User Profile screen, tap Done. To Displays a box that is used to enter a created date. The status of reagents loaded on the system is indicated by the following badges: Green check mark The reagent status for all modules is OK. Performance characteristics and specifications, page 317 Operational specifications, page 321 System capacities, page 323 Computer and interface specifications, page 325 Performance specifications, page 326 Specimen stability (Alinity hq), page 334 Linearity (Alinity hq), page 334 Linearity (Alinity hq), page 334 Linearity (Alinity hq), page 335 Specimen requirements, page 341 Operational specifications Table 11: Operational specifications Maximum throughput (closed-tube mode) • Alinity hq Alinity hq Alinity hq Alinity hq Alinity hq Alinity hq CBC+Diff+Retic: < 70 specimens per hour * • Alinity hq Alinity hq CBC+Diff+Retic: < 70 specimens per hour * • Alinity hq Alinit sample handler robot transports closed specimen tubes throughout the Alinity hs module in the following sequence: 1. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 103 Use or function, and analysis For both closed-tubee and open-tube processing, the Alinity hq module aspirates a nominal volume of sample through the aspiration probe. Uninstall Uninstalls files from the user interface. Please refer to the form of consent, displayed on your analyzer screen, when taking advantage of this service. Date Format Displays the options that are used to edit the system date format: • MM.DD.YYYY (default) • DD.MM.YYYY • YYYY.MM.DD Time Zone Displays a drop-down list that is used to select the areaspecific time zone. On the System Control Center tab of the Configure screen, tap LAS Communication. The values must be traceable to a national or an international reference preparation or a method for hematology. Printer drivers are not deleted. System cycle power, start, pause, and stop, page 346 Expedite the removal of a slide carrier rack (Alinity hs), page 451 Stop the module From Processing to Stopped. Exceptions tab. Configure start times for daily and weekly maintenance procedures. To delete the report header settings, tap Cancel. The search term in the Search box. NOTE: The default configuration for Limit/Delta Check cannot be deleted. If Delta Check is selected in the Criteria drop-down list, perform the following steps: a. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 271 Principles of operation (Alinity hq) Section 3 Figure 58: Open-tube processing Specimen identification and test selection Each specimen is identified by a unique time-stamped and date-stamped sequence number and can be identified by an SID. Nonapproved water filtration systems do not provide the expected communications and cannot be used. • Numerical results are presented in three significant digits. Alert Center: Provides the Alert Center button, which displays a flyout of status information, and provides two types of status indicators for system problems that require attention. The following statuses may be displayed on the System Status bar: Host, WPS, Printer, LAS, Rack Transport, and AbbottLink. Module description • Enable or disable a Retic test Related information... polarized side scatter In this scatterplot, nuclear lobularity (PSS) is plotted as a function of cell size (ALL). On the Printers screen, tap Add Printer. Primary components of an Alinity h-series, page 50 Open and close the module cover, page 592 Module (Alinity hq) The Alinity h-series, page 50 Open and close the module cover, page 50 Open and close the module performs sample-processing activities. System Time Displays a spin box that is used to edit the system time. Tap OK and reenter the four-digit PIN. NOTE: For Code 39, do not use the extended character set for the SID. Module Displays a drop-down list that is used to select the module name and number for the carryover file. 9. Log On screen, page 353 358 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Section 5 Operating instructions Home screen On the Home screen on the SCC, the operator can view the following information • System information: • System information and module status information: • System information and module status information and module status information and module status information and module status information • System information • Sy • Start, run, pause, and stop the modules. (SCC) Alinity hg module Performs sample-processing activities such as mixing, aspiration, dilution, and final parameter determination. Icons: Navigation elements that provide access to specific screens and functions. User Defined 2 Displays the operator cor code A numeric identifier for a message. Limit/Delta Check screen, page 200 Create Limit/Delta Check screen, page Limit/Delta Check screen, the supervisor can configure the parameter settings for a patient limit set group. The laser profile has a 40 µm wide flat profile, which is expected to align with the core stream. • Configure the character encoding setting. Lanes A, B, and C hold the glass slide holders that contain the blank slides. Under Interface Options on the General tab of the Host Setup screen, perform the following steps: a. Error 296 General Sample Processing Error An error occurred that caused the system to stop during steps: a. Error 296 General Sample Processing Error An error occurred that caused the system to stop during steps: a. Error 296 General Sample Processing Error An error occurred that caused the system to stop during steps: a. Error 296 General Sample Processing Error An error occurred that caused the system to stop during steps: a. Error 296 General Sample Processing Error An error occurred
that caused the system to stop during steps: a. Error 296 General Sample Processing Error An error occurred that caused the system to stop during steps: a. Error 296 General Sample Processing Error An error occurred that caused the system to stop during steps: a. Error 296 General Sample Processing Error An error occurred that caused the system to stop during steps: a. Error 296 General Sample Processing Error An error occurred that caused the system to stop during steps: a. Error 296 General Sample Processing Error An error occurred that caused the system to stop during steps: a. Error 296 General Sample Processing Error An error occurred that caused the system to stop during steps: a. Error 296 General Sample Processing Error An error occurred that caused the system to stop during steps: a. Error 296 General Sample Processing Error An error occurred that caused the system to stop during steps: a. Error 296 General Sample Processing Error An error occurred that caused the system to stop during steps: a. Error 296 General Sample Processing Error An error occurred that caused the system to stop during steps: a. Error 296 General Sample Processing Error An error occurred that caused the system to stop during steps: a. Error 296 when the specimen type is a tube on the Alinity h. Three backup/Restore screen: Alinity h-series Operations Manual 80000023-107 - 2019-09-03 245 Installation procedures and special requirements Utilities screen Section 2 • Daily (automatic backup) • Manual Serial No Displays the SCC serial number or module serial number for the backup generated. A USB flash drive can be used to import data, import multiconstituent control data, export and import data, export and import data, import multiconstituent control data, export and import data, import multiconstituent control data, export and import data, export and import data, import multiconstituent control data, export and import data, export and expo page 397 AutoClean Solution (Alinity hq) The major function of the AutoClean Solution is to clean the internal pathways of the Alinity hq module. Patient Limit Upper Displays text boxes that are used to enter an upper patient limit value for each parameter. Host Setup screen, page 165 Descriptions of screen elements, page 81 Host Setup screen, Graph tab element descriptions The Graph tab of the Host Setup screen displays graph transmission and graph selection settings. In each Graph to display. Flow cytometry (Alinity hq), page 275 Illumination subsystem (Alinity hq), page 275 Illumination s detection subsystem (Alinity hq), page 279 Illumination subsystem. pylori means practicing good hygiene. 280 Alinity hq) A solid state laser is the light source of the illumination subsystem. pylori means practicing good hygiene. 280 Alinity hq) Section 3 The first beam reflects toward a photomultiplier transistor and passes through a 530 nm filter before a detector measures fluorescence. System documentation, page 39 Use the table of contents, page 39 Scroll through a topic or the table of contents, page 39 Play an animation, page 40 Access the related information, page 41 Use breadcrumbs to access a topic, page 42 Redisplay a topic, page 42 Page through the content, page 42 Use the glossary, page 43 Search for a term, page 43 Resize, move, and close the operations manual, page 43 Print a topic from the operations manual, page 44 Access the operations manual Perform this procedure to display the home page of the operations manual or the content specific to an active screen, a flyout, or a message code. • Lyses red blood cells. Indications for use (Alinity hq), page 56 Loading area is divided into 12 lanes that hold sample racks. Specimen Type Displays the Specimen Type icon. View the setup for the QC file or files involved and confirm that the targets and ranges for the laboratory. To delete the edit to the QC file and return to the QC file screen, tap Cancel. EOS Displays graphical data for the eosinophil count per volume. The module can be shut down from either the SCC or the LUI. Users screen, page 117 Create a new user. NOTE: For printer physical specifications, refer to the printer manufacturer's documentation. Flag Displays a drop-down list that is used to select a morphology flag type for a patient rule. NR/W Displays the number of NRBCs per 100 WBCs. NRBC Displays the nucleated red blood cell count per volume. Resuspension cycles did not occur. Required accessories, page 106 Slide carrier (Alinity hs) Slide carriers are accessories that hold a maximum of 10 slides. A check mark is displayed in the Default column in the row of the default printer. To return to the Utilities screen, tap Done. L/R Block Displays one of the following options for the block used to run the test: • Left • Right WBC Displays the white blood cell count per volume. Time of Daily Backup Displays one of the following options for the block used to run the test: • Left • Right WBC Displays the white block used to run the test: • Left • Right WBC Displays the white block used to run the test: • Left • Right WBC Displays the white block used to run the test: • Left • Right WBC Displays the white block used to run the test: • Left • Right WBC Displays the white block used to run the test: • Left • Right WBC Displays the white block used to run the test: • Left • Right WBC Displays the white block used to run the test: • Left • Right WBC Displays the white block used to run the test: • Left • Right WBC Displays the white block used to run the test: • Left • Right WBC Displays the white block used to run the test: • Left • Right WBC Displays the white block used to run the test: • Left • Right WBC Displays the white block used to run the test: • Left • Right WBC Displays the white block used to run the test: • Left • Right WBC Displays the white block used to run the test: • Left • Right WBC Displays the white block used to run the test: • Left • Right WBC Displays the white block used to run the test: • Left • Right WBC Displays the white block used to run the test: • Left • Right WBC Displays the white block used to run the test: • Left • Right WBC Displays the white block used to run the test: • Left • Right WBC Displays the white block used to run the test: • Left • Right WBC Displays the white block used to run the test: • Left • Right WBC Displays the white block used to run the test: • Left • Right WBC Displays the white block used to run the test: • Left • Right WBC Displays the white block used to run the test: • Left • Right WBC Displays the white bloc a spin box that is used to enter the time of day for daily automatic backups to be performed. Required instrument status Idle, Stopped, Pausing, or Running Operator access level System administrator Perform this procedure to configure the host settings for the system. suspect or invalid. Precision • Create a file. Reagents (Alinity hq), page 91 Replace a reagent bottle in the upper reagent drawer by using the LUI, page 397 Reagents (Alinity hq), page 397 Reagents are solutions that are used in system operation and sample processing. system operation. To save the new user settings, tap Save/Next. The instrument status of the module transitions to Initializing. The expectation is that most events are in the middle of the measurement range for all eight channels. System relocation for information about the relocation of the Alinity h-series, contact an Abbott Laboratories representative. The button is displayed only when the system is configured for the host computer. The hemoglobin concentration inside of the RBCs is measured by using IAS1. Aspiration Timeout (Open Tube) The system took more than 25 seconds from the time that an open-tube rack was inserted to when the sample was aspirated. Information includes the statistics for the parameters tested. Reagent Status screen on the LUI, the operator can view the following information for reagents that are loaded on a module: • Reagent Status screen on the LUI, the operator can view the following information for reagents that are loaded on a module: • Reagent status screen on the LUI, the operator can view the following information for reagents that are loaded on a module: • Reagent status screen on the LUI, the operator can view the following information for reagents that are loaded on a module: • Reagent status screen on the LUI, the operator can view the following information for reagents that are loaded on a module: • Reagent status screen on the LUI, the operator can view the following information for reagents that are loaded on a module: • Reagent status screen on the LUI, the operator can view the following information for reagents that are loaded on a module: • Reagent status screen on the LUI, the operator can view the following information for reagents that are loaded on a module: • Reagent status screen on the LUI, the operator can view the following information for reagents that are loaded on a module: • Reagent status screen on the LUI, the operator can view the following information for reagents that are loaded on a module information includes the status screen on the sta number • Onboard stability • Location The operator can perform the following functions: • Switch between the upper and lower reagent drawers. Re-enter New PIN for the selected operator ID. Additionally, two covered compartments are located on each side of the loading area and can be used for temporary storage of racks. Alinity hg Default Sample Processing area Specimen Type Displays a drop-down list that is used to select the specimen type. NOTE: For more information about mixing the commercial controls, see the manufacturer's documentation. The report type is displayed automatically. To configure the graph settings for other tabs, repeat steps 4, page 197 and 5, page 197. Flow cytometric technologies of optical scatter and fluorescence are used to analyze samples for the following parameters: Alinity h-series Operations Manual 80000023-107 -
2019-09-03 275 Principles of operation Principles of operation (Alinity hq) Whole blood Section 3 patient limit set configuration. Figure 10: Animation toolbar 40 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 System documentation Operations manual use Legend: 1. These dyes stain certain nucleic acids within cells. The inner detector of the block measures axial light loss (ALL). The label on the slide is scanned to confirm the specimen ID, and an aliquot of blood is first deposited in the waste, followed by an aliquot onto the slide. Installation procedures and special requirements, page 113 242 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Installation procedures and special requirements, page 113 242 Alinity h-series Operator can perform the following tasks from the Utilities screen: Version Data View the information for the current software and the current firmware. On the User Profile screen, tap Set PIN. Lot Displays the lot used to run the test. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Installation procedures and special requirements System configuration Section 2 Last Name Displays a text box that is used to enter the last name of the user. LYM IAS3 mean Displays the mean IAS3 optical signal. LYM: Lymphocyte Count per volume. Principles of operation Principles Operatio of operation (Alinity hs) Section 3 Smear-making process (Alinity hs) As the specimen tube is aspirated, the slide picker transports the glass slides from the glass slides from the glass slide holder to the slide is aligned by the alignment station. To return to the utilities screen, tap Utilities. lane is empty. One inverted 1 L bottle with a keyed top is loaded in the upper reagent drawer. On the New Carryover screen, perform the following steps: a. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 199 Installation procedures and special requirements System configuration Section 2 Function buttons Configure Navigates to the Configure screen. Thirty absorbance readings are obtained for the sample. Function buttons Precision screen for the selected carryover file. Slide shuttle: Transports slides to the Carryover Details screen for the selected carryover file. completed for all measurements, software algorithms begin to analyze the data. NOTE: The image must be less than 4 KB or it is not displayed. QC Result Data Views screen, page 219 Configure columns on the QC screens, the QC Summary screen, and the QC Results screen. Carryover Details Information area Displays details of the selected carryover. • The Summary tab displays a reagent summary tab display on the menu bar. Westgard rules Control rules that use various standard deviation limits to monitor the performance of the Alinity h-series by detecting trends or shifts. The AbbottLink software stops and restarts. 2. Unlysed nonfluorescent RBC rstRBC Indicates the presence of unlysed RBC (for example, target cells). Obtained results were plotted against expected results, and the deviation from 334 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Performance characteristics and specifications Specifications Specifications Manual 80000023-107 - 2019-09-03 Installation procedures and special requirements System configuration Section 2 Delta Check Displays check boxes that are used to include the morphology flags in the delta check evaluation. 136 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Installation procedures and special requirements System configuration Section 2 • Configure the automatic printing settings. HGB interference HGB Interf Indicates a significant difference between photometric and cellular HGB results that is caused by the presence of interfering substances in the sample or by sample dispensing inaccuracy. Tap one to 12 check box to enable the program. This check box is available only for Abbot controls. The algorithm has three major steps: • Data examination for potential data faults • Classification of list mode data into hematological populations • Calculation of reportable parameters Alinity h-series Operations Manual 80000023-107 - 2019-09-03 285 Principles of operation Principles of operation (Alinity hq) Section 3 Data examination for potential data faults Before the list mode data is analyzed and classified, the algorithm performs three data integrity checks. If the Rules on SCC option is selected, perform the following steps: a. NOTE: To apply the same unit format column. 835 SCC .. The status of the LAS connection is indicated by the following button colors: Green The system is communicating with the LAS and detects no errors. Specifications and requirements, page 318 System computer corrective action procedures... .836 Quality control (Alinity hq)...... clearances Table 17: System clearances Module Front Above Back Right and left Alinity hq 914 mm (36 in.) 762 mm (30 in.) Alinity h-series Operations Manual 80000023-107 - 2019-09-03 321 Performance characteristics and specifications Specifications and requirements Module Front Section 4 Above Back Right and left System Control Center 914 mm (36 in.) 457 mm (12 in.) 76 mm (36 in.) 1016 mm (components. Period in numbers Separates the integer part from the fractional part of a number written in decimal form (for example, 3.12%). Tube holes are different sizes to accommodate various tube types and tube sizes that can be processed on the module. Users screen, page 117 Descriptions of screen elements, page 81 Manage user PINs Operator access level System administrator Perform this procedure to change one or more user PINs. System administrators can change their personal user PINs of other users. DSS mean Displays graphical data for the mean RBC DSS optical signal. Create New User Navigates to the Create New User screen. To add additional times to the Scheduled Times list, repeat steps 4, page 228 and 5, page 228. • It is recommended to use the default action limits for the optical Moving Average programs. Module bar - All button - WBC area, HGB area, RETIC area, AutoClean Solution area, Stain area, Sta graphical representation of the status and total remaining reagent. Print the screen image. 31 Topic pane. .. The status is displayed for each parameter and for both the left and the right incubation blocks. > Upper Limit Interpretive Result Displays a check box that is used to enable or disable the upper limit flag for the selected parameter. The module has not completed specimen processing. The tab settings that are configured on the QC Summary screen, and the Precision Results screen, the QC Summary screen, and the Precision Results screen. carryover file name. For the default setting, the check box is not selected. These two sections of the manual contain supplemental information. The collection subsystem measures scattered light from the surfaces and internal structures of cells, and fluorescence from stained nucleic acids of cells. MCHC Displays graphical data for the mean cell hemoglobin concentration. DSS can be used to differentiate neutrophils from eosinophils. Parameters: WBC/NRBC • Measured parameters: WBC, WBC six-part differential (percentage), NRBC absolute concentration, %IG • Calculated parameters: WBC six-part differential, NR/W RBC/PLT • Measured parameters: RBC, PLT, MCV, RDW, MPV • Calculated parameters: HCT, MCH, MCHC HCT = 288 RBC × 10 HGB HCT × 10 HG 100 • Measured parameters: %R, IRF, MCHr • Calculated parameters: RETIC absolute concentration... Age Range Displays the age range of the patient limit set group. Each lane has a mechanism to lock the holder in place after it is inserted. Module Cover icon Navigates to the Module Cover screen. In the flyout, the operator car configure a parameter for a patient rule. The AutoClean Solution is supplied as 6% sodium hypochlorite solution. Label all waste containers. NOTE: The SCC detects no power to the main system when the SCC detects no power to the main system. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Installation procedures and special requirements System configuration Section 2 Stain (seconds) Displays a text box that is used to enter the time for the selected stain protocol. The Configure icon can be configured to display on the menu bar. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Installation procedures and special requirements Utilities screen Section 2 L/R Block Displays the blocks used to determine the precision for the file. Log on to the SCC. Notification Volume Level Displays a slider that is used to adjust the volume of warning audio alerts from 0 through 10. 72 Alinity h-series hardware overview Section 1 Related information... To delete the QC file, tap Cancel. Additional tabs can be configured to display on the Precision Results and a lert is displayed. For hematology instruments, carryover generally causes a positive bias on the results for the succeeding sample. • If the precision check specimen is collected in more than one tube, it is recommended to combine the well-mixed specimen and aliquot it into the required number of empty (no anticoagulant) tubes. L/R Block Displays one of the following options for the block used to run the test: • Left (Alinity hq) • Right (Alinity hq) • Unspecified (Alinity hs) Module Displays the module number. Aspiration probe did not reach the bottom of the tube. that is used to enter a comment. Red The reagent item has exceeded the lot expiration. For printer power specifications, refer to the manufacturer's documentation. The system is supported by resourceful advocates consisting of dedicated professionals who excel in engineering, medical technology, training, and service. 218 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Installation procedures and special requirements System configure the halt behavior for the system. If the Alinity hq is configured to use a waste container, one 10 L container is used for each module. One waste container is used and the SCC
tracks the remaining number of tests that can be performed before the waste container is used and the SCC tracks the remaining number of tests that can be performed before the waste container is used for each module. To configure the host rules, the Rules on Host option must be configured on the Patient Rules screen. • Schedule times for daily or weekly maintenance. Elements Module bar Displays buttons that are used to select a module. Action Limit (%) Displays the action value as a percentage of a parameter for the sealed batch. If the core stream moves outside the flat area, the signals drop in intensity. Thirty absorbance readings are obtained for the reference. The following drivers are available: • Brother Mono Universal • Cannon Generic PCL6 • Epson Standard Business • HP Universal Printing PCL6 325 Performance characteristics and specifications and requirements Ports Host interface: • Communications mode • Connections • Interface reference documents System Control Center (SCC) interface Section 4 • • Lexmark Universal 2 • • • Minimum of 8 USB ports 9-PIN serial 2 LAN connections capable of a minimum of 1 Gbps Bidirectional • • ASTM - TCP/IP HL7 - TCP/IP ASTM: • CLSI LIS01-A2 Appendix C • IHE Laboratory Technical Framework, Laboratory Analytical Workflow (LAW) profile Ethernet Related information... Under Alinity hs tab, tap the specimen type from type fro evaluation of a module's precision, 20 runs from one donor are recommended. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 379 Operations Manual 80000023-107 - 2019-09-03 147 Installation procedures and special requirements System configuration 9. Messages and data invalidating flags are displayed on the Extended tab of the Results Details screen when the system detects conditions that are not appropriate for system detects conditions that are not appropriat displays the status of the glass slides, smear tape cartridge, smear label cartridge, and waste level. Back and Forward buttons 6. 575 Maintenance and diagnostics. .576 Procedures screen.. Provides sufficient wetting action to prevent the accumulation of bubbles in the flow system. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 169 Installation procedures and special requirements System configuration 5. • Rename a tab. Lane Status button Navigates to the Lane Status screen. NOTE: When a mouse is used to start an animation and the cursor is moved away from the toolbar, the toolbar is not displayed. 8. Name Displays the name of the drive or folder. The button switches between Select All and Deselect hq), page 627 Prepare to process specimens (Alinity hq), page 628 Westgard rules analysis (Alinity hq), page 628 Westga to the Retest/Reflex tab, tap Cancel. 613 System Logs screen, Results tab element descriptions.... ..614 System Logs screen, Results tab, Search flyout element descriptions...... .. SEQ Displays the sequence of the result. For these parameters, follow the guidelines of the laboratory for reporting results outside the AMR. On the Backup/Restore screen of the SCC, the operator can perform the following functions: • View a list of previously created backups from external media. The numerical settings are configured individually for each bath. 66 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Use or function Alinity h-series hardware overview Section 1 Figure 24: Loading area (Alinity hs) Legend: 1. - To delete all print jobs in the printer queue, tap Delete All. Under System Information, enter the following information: - System Name - System Language NOTE: The system language is the language displayed on all screens. ASTM Communication screen, page 174 Configure ASTM communication settings for the system. Flow cytometry (Alinity hq), page 275 Absorption spectrophotometry is the technology used to measure hemoglobin. The operator can clear an alert for the laboratory automation system (LAS) connection. • Set the condition for Leukopenia Smear Case 1 or Leukopenia Smear Case 2. Printer Verification Displays a report preview. Insert the rack into the loading area on the system. NOTE: If the printer that was removed is the default printer, the most recently configured printer in the list becomes the default printer. Install/Uninstall Procedures screen, page 235 Maintenance Scheduler screen On the Maintenance Scheduler screen, page 235 Maintenance Scheduler screen, page 235 Maintenance Scheduler screen On the Maintenance Scheduler screen On the Scheduler screen, page 235 Maintenance Scheduler screen On the Maintenance Scheduler screen On the Maintenance Scheduler screen On the Scheduler Sc functions: • Enable or disable automatic runs of maintenance procedures. 882 Remove the rack when processing is completed. • Recover from a mistake. On the front right side of the module, move the main power switch to the OFF/O position. Alinity hq results for WBC, WBC differential parameters, MCHr, and %rP were compared with Sysmex XN data. Green (blinking) The rack is ejected and is ready for removal. The solution is combined with clinical laboratory reagent water (CLRW)-compliant water from the external water from the external water from the stain bath. When 20 runs are completed, the batch is sealed. If Morphology Flag is selected in the Criteria drop-down list, perform the following steps: a. • Print precision results. size Fluorescence (x-axis) vs size (y-axis) provides separation of low and high fluorescence cells which facilitates enumeration of nucleated red blood cells (NRBC, red). Do not use the supplemental information to supersede workplace safety requirements. Elements Sender Channel Status and the date and time that the status was updated. 465 Remove a closed-tube rack after sample processing is completed...... ... If Yes is displayed for Is Default, the only editable setting on this tab is Max Days Between Records, LYM IAS2 mean Displays the mean IAS2 optical signal, 106 Closed-tube racks... .107 Open-tube racks.. 106 Laboratory automation system (LAS) racks.... Arrow button moves the demographic one column to the right. BASO Displays the basophil count per volume. Target Value Displays a text box that is used to enter the sample handler robot within the Alinity hq module moves the open-tube rack that contains the specified parameter. position. The CSC logon authorizes selected functions in addition to those functions allowed by the system administrator logon. pylori does to the lining of the stomach and small intestine. The settings for each program can be configured independently of the other Moving Average programs. Density Minimum density (narrow bar width) is 5.0 mil (0.127 mm or 0.005 in.). The slide carrier is transferred to the Buffer bath. Sampling Priority Displays the sample priority. • Configure the size of the displayed graphs. The closed-tube rack can be loaded in either direction so that tube position 1 or tube p signal. 884 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Quality control (Alinity hq) Evaluation of control results (Alinity hq) Section 11 The following modified Westgard rules are available: Rule 1 (12s) One value falls outside 2SD. 181 Installation procedures and special requirements System configuration Section 2 Cancel Cancels selections or entries and displays the previously viewed screen or flyout. • Access the Edit Limit/Delta Check screen. System documentation, page 31 30 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 System documentation, page 31 Topic pane, page 36 Toolbar The toolbar contains navigation elements and a Print button. LAS Communication screen, page 177 Configure LAS communication settings for the system. Host Setup screen, page 165 HL7 Communication screen On the HL7 Communication screen, the operator can view the following information: • Message headers • Sender channel options The system administrator can perform the following functions: • Configure message headers. calculated for each block with each parameter using the following formula: Carryover (%) = (Low 1 - Low 3) ÷ (High 3 - Low 3) x 100 Related information... 604 Alert Center flyout element descriptions.. . 184 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Installation procedures and special requirements System configuration Section 2 1. LAS Configuration area LAS Displays the following options: • On • Off (default) Sender Channel area IP Address Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Displays a text box that is used to enter the Internet protocol (IP) address. Alert Audio Content Displays a button that is used to preview the critical level audio alert before the setting is saved. Function buttons 190 Done Saves changes and either displays the previously viewed screen or closes the flyout. You're Reading a Free Preview Pages 638 to 829 are not shown in this preview. Function buttons Done Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Saves changes and either displays the previously viewed screen or closes the flyout. Pneumatics Failure PAC3 The system and with fundamental principles of the user interface. Read me first, page 11 24 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 System documentation Introduction The Alinity h-series Operations Manual provides complete instructions for the use and maintenance of the system. a user interface for the Alinity h-series. tube ID The location of a tube in a rack. FL1 mean Displays the mean RETIC FL1 fluorescent signal. %R: % Reticulocyte Displays the percentage of reticulocyte. The third data integrity check is used to examine the fluidic instabilities during the measurement. Alinity h-series Operations Manual 80000023-107 -2019-09-03 265 Installation procedures and special requirements Utilities screen Section 2 2. Alinity h-series hardware overview, page 53 Module (Alinity hq), page 54 Module (Alinity hs), page 65 Water purification system (WPS) (Alinity hq), page 77 System Control Center (SCC) The
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NOTE: If the Rules on Host option is selected, the leukopenia reflex testing is unavailable to configure. The combination of special geometry of the optical flow cell. Function buttons Done Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Saves the changes and displays the previously viewed screen. No Westgard failures or warnings for the module are present or the QC is not scheduled using the scheduler. incubation block. PLT Carryover* A sample that has a low PLT count was flagged because the sample may have been affected by high PLT counts from the previous samples. 908 Alinity h-series Operations Manual 80000023-107 (Customer) 2019-09-03 Revision history Document control numbers Revision date Content revised 80000023-107 (Customer) 2019-09-03 Revision history Document control numbers Revision date Content revised 80000023-107 (Customer) 2019-09-03 Revision history Document control numbers Revision date Content revised 80000023-107 (Customer) 2019-09-03 Revision history Document control numbers Revision date Content revised 80000023-107 (Customer) 2019-09-03 Revision history Document control numbers Revision date Content revised 80000023-107 (Customer) 2019-09-03 Revision history Document control numbers Revision date Content revised 80000023-107 (Customer) 2019-09-03 Revision history Document control numbers Revision date Content revised 80000023-107 (Customer) 2019-09-03 Revision history Document control numbers Revision date Content revised 80000023-107 (Customer) 2019-09-03 Revision history Document control numbers Revision date Content revised 80000023-107 (Customer) 2019-09-03 Revision history Document control numbers Revision date Content revised 80000023-107 (Customer) 2019-09-03 Revision history Document control numbers Revision date Content revised 80000023-107 (Customer) 2019-09-03 Revision history Document control numbers Revision date Content revised 80000023-107 (Customer) 2019-09-03 Revision history Document control numbers Revision date Content revised 80000023-107 (Customer) 2019-09-03 Revision history Document control numbers Revision date Content revised 80000023-107 (Customer) 2019-09-03 Revision history Document control numbers Revision date Content revised 80000023-107 (Customer) 2019-09-03 Revision history Document control numbers Revised 80000023-107 (Customer) 2019-09-03 Revised 80000023-107 (Customer) 2019-09-03 Revised 80000023-107 (Customer) 2019-09-03 Revised 800000023-107 (Custom 03 Cover, Read me first, System documentation, Sections 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, Glossary Alinity h-series Operations Manual 80000023-107 - 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WBC is the default. The amount of light transmitted light signal is lower when the hemoglobin flow cell is filled with the reference. To display the next topic in a previously displayed sequence of topics, tap the Forward button . These dyes impart coloration to cells and other blood elements to enable the differential identification of cells and quality assessment of their morphology for diagnostic purposes. To apply all reference values to other Alinity hq modules within a multimodule system, tap Apply All. Specimen type Displays the Specimen Type icon. 34 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 System documentation ... Printers • Add a printer. Moving Average Setup screen, page 230 Configure Moving Average programs Operator access level Supervisor Perform this procedure to set up and enable or disable Moving Average programs. Tests Remaining Displays the maximum amount that remains in the reagent inventory. Displays the maximum amount that remains in the reagent inventory. 102 Glass slides (Alinity hs), page 102 Slide label cartridge (Alinity hs), page 103 Smear tape cartridge (Alinity hs), page 104 Supply and waste inventory management, page 403 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 101 Use or function Required consumables Section 1 Waste container (Alinity hs), page 103 Smear tape cartridge (Alinity hs), page 104 Supply and waste inventory management, page 403 Alinity hs), page 104 Supply and waste inventory management, page 403 Alinity hs), page 104 Supply and waste inventory management, page 403 Alinity hs), page 104 Supply and waste inventory management, page 403 Alinity hs), page 104 Supply and waste inventory management, page 403 Alinity hs), page 104 Supply and waste inventory management, page 403 Alinity hs), page 104 Supply and waste inventory management, page 403 Alinity hs), page 104 Supply and waste inventory management, page 403 Alinity hs), page 104 Supply and waste inventory management, page 403 Alinity hs), page 104 Supply and waste inventory management, page 403 Alinity hs), page 104 Supply and waste inventory management, page 403 Alinity hs), page 104 Supply and waste inventory management, page 403 Alinity hs), page 104 Supply and waste inventory management, page 403 Alinity hs), page 104 Supply and waste inventory management, page 403 Alinity hs), page 104 Supply and waste inventory management, page 403 Alinity hs), page 403 Alinity container holds the external waste from the module and is supplied by Abbott. • Configure receiver channels. NOTE: This setting is available only if the system is configured with speakers. Staining a slide (if selected) Specimen loading and presentation The closed-tube processing Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Capped specimen tubes are introduced to the module from the laboratory automation system, or are transferred from the Alinity hq module in a process called reflex testing. 2nd Shortcut Displays the configured icon and a drop-down list that is used to select an icon. On the Alinity hq, cellular fluorescence occurs when special dyes are used that interact with the laser light. 505 Print flyout element descriptions.. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Use or
function Alinity h-series hardware overview Section 1 White (steady) The reagent bottle is inserted and is full or is in use. The symbol zone length is 41 mm. Validation, Verification, and Quality Assurance report.. of Automated Hematology Analyzers; Approved Standard--Second Edition. Right Label Displays a text box that is used to enter the user-defined header. Slide stain processing The smeared slide lane in the loading area. Resuspension unit: Mixes closed specimen tubes by inversion before sample aspiration is initiated. On the LUI menu bar, tap the Home icon. Operations Manual 80000023-107 - 2019-09-03 System documentation Procedure map description Procedure map description The procedure map is an image map that displays categories of laboratory-related activities and provides links to lists of tasks and procedures. Specifications and requirements, page 318 Linearity (Alinity hq) Studies were performed by measuring each dilution in multiple replicates to minimize the effect of imprecision. Blood Cells RDW: % Red Cell Distribution Width Displays the percentage of red cell distribution width. When processing is completed, remove the rack. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Quality control (Alinity hq) Section 11 NOTE: If the halt behavior of the system has been configured to halt when a QC limit violation, and if any controls have a parameter value that falls outside the target range, the system halts and the instrument status transitions to Idle. • Red indicates a failure or an issue caused the module Configuration option is selected, a drop-down list issue caused the module to halt. displayed to select a module. Configure screen, System Control Center tab, page 158 ASTM Communication, page 174 ASTM Communication, page 174 ASTM Communication, page 175 Configure ASTM communication, page 837 ASTM Communication screen element descriptions The ASTM Communication screen displays a single TCP/IP communication channel to send and receive messages to and from an ASTM host. Host Connection Status flyout, page 377 Cancel pending transmissions Prerequisite The host connection status must be Disabled, Connecting, or Error. NOTE: The fresh whole blood studied had no interfering substances or conditions or flags for the parameters studied. 272 Alinity h-series Operation (Alinity hq) Related information... The sample handler robot in the Alinity hs module moves the open-tube rack that contains the specimen to the open-tube sampling position. LYM Displays graphical data for the lymphocyte count per volume. NOTE: The module serial number (SN) and software version are automatically displayed on the right side of the report header. • On the screen header, tap the Lock button . 12. 601 Approach to New Carryover screen, page 260 Descriptions of screen elements, page 81 Create a carryover file Required instrument status Running Perform this procedure to create a carryover file. • Delete items from the system. NOTE: To process open tubes, the robot lifts an open tube rack from a lane and moves the rack to the open-tube sampling position. Specifications and requirements, page 318 Analytical measurement range (AMR) of the measurement range (AMR) o comparison studies (HCT, MCV, MPV, and IRF). Module (Alinity hs), page 65 Sample handler robot (Alinity hs) For the Alinity hs) For the Alinity hs module, the sample handler robot is used to transport closed-tube specimens, tube racks, slide carriers, and slide carriers and slide carriers (Alinity hs) For the Alinity hs) For the Alinity hs module, the sample handler robot is used to transport closed-tube specimens, tube racks, slide carriers (Alinity hs) For the Alinity hs) For the Alinity hs) For the Alinity hs module, the sample handler robot is used to transport closed-tube specimens, tube racks, slide carriers (Alinity hs) For the Alinity hs) For the Alinity hs (Alinity hs) For the Alinity hs) For the Alinity hs (Alinity hs) For the Alinity hs) For the Alinity hs (Alinity hs) For the Alinity hs) For the Alinity hs) For the Alinity hs (Alinity hs) For the Alinity hs) For the Alinity hs (Alinity hs) For the Alinity hs) For the Alinity hs (Alinity hs) For the Alinity hs) For the Alinity hs) For the Alinity hs (Alinity hs) For the Alinity hs) For the Alinity hs (Alinity hs) For the Alinity hs) For the Alinity hs) For the Alinity hs (Alinity hs) For the Alinity hs) For the Alinity hs (Alinity hs) For the Alinity hs) For the Alinity hs (Alinity hs) For the Alinity hs) For the Alinity hs (Alinity hs) For the Alinity hs) For the Alinity hs (Alinity hs) For the Alinity hs) For the Alinity hs (Alinity hs) For the Alinity hs) For the Alinity hs (Alinity hs) For the Alinity hs) For the Alinity hs (Alinity hs) For the Alinity hs) For the Alinity hs (Alinity hs) For the Alinity hs) For the Alinity hs (Alinity hs) For the Alinity hs) For the Alinity hs (Alinity hs) For the Alinity hs) For the Alinity hs (Alinity hs) For the Alinity hs) For the Alinity hs (Alinity hs) For the Alinity hs) For the Alinity hs (Alinity hs) For the Alinity hs) For the Alinity hs (Alinity hs) For the Alinity hs) For the Alinity hs (Alinity hs) For the Alinity hs) For the Alinity hs (Alinity hs) For the Alinity hs) For the Alinity hs (Alinity hs) QC files (Alinity hq) Section 11 Related information... Install/Uninstall Procedures screen, page 235 Descriptions of screen elements, page 81 Install/Uninstall Procedures screen, Installed on the system. To delete the settings, tap Cancel. To delete the edits to the QC scheduler settings, tap Cancel. On the Maintenance and Diagnostics tab of the Configure screen, the Hard Drive button is selected. • Configure graph selection settings. 240 On the menu bar, tap System, and then tap Configure. Interpretive result messages The messages are displayed on the Extended tab of the Result Details screen and in result transmissions. beam shaping optics (BSO) An optical signal that is measured at the BSO laser power monitor detector. during sample dispense. IMPORTANT: If patient rules are configured on the Secc, patient rules cannot be enabled by the middleware system. Status information for a specific Moving Average program can be viewed on the Sec. Status information for a specific Moving Average program can be viewed on the Sec. Status information for a specific Moving Average program can be viewed on the Sec. Status information for a specific Moving Average program can be viewed on the Sec. Status information for a specific Moving Average program can be viewed on the Sec. Status information for a specific Moving Average program can be viewed on the Sec. Status information for a specific Moving Average program. (seconds) Displays a text box that is used to enter the selected stain protocol. Buffer Spike (% Stain) Displays a text box to enter percentage of the selected stain protocol. Buffer Spike (% Stain) Displays a text box to enter percentage of the stain for the selected stain protocol. Buffer Spike (% Stain) Displays a text box to enter percentage of the stain for the selected stain protocol. Buffer Spike (% Stain) Displays a text box to enter percentage of the stain for the selected stain protocol. Buffer Spike (% Stain) Displays a text box to enter percentage of the stain for the selected stain protocol. Buffer Spike (% Stain) Displays a text box to enter percentage of the stain for the selected stain protocol. Buffer Spike (% Stain) Displays a text box to enter percentage of the stain for the selected stain protocol. Buffer Spike (% Stain) Displays a text box to enter percentage of the stain protocol. Buffer Spike (% Stain) Displays a text box to enter percentage of the stain protocol. Buffer Spike (% Stain) Displays a text box to enter percentage of the stain protocol. Buffer Spike (% Stain) Displays a text box to enter percentage of the stain protocol. Buffer Spike (% Stain) Displays a text box to enter percentage of the stain protocol. Buffer Spike (% Stain) Displays a text box to enter percentage of the stain protocol. Buffer Spike (% Stain) Displays a text box to enter percentage of the stain protocol. Buffer Spike (% Stain) Displays a text box to enter percentage of the stain protocol. Buffer Spike (% Stain) Displays a text box to enter percentage of the stain protocol. Buffer Spike (% Stain) Displays a text box to enter percentage of the stain protocol. Buffer Spike (% Stain) Displays a text box to enter percentage of the stain protocol. Buffer Spike (% Stain) Displays a text box to enter percentage of text box to descriptions, page 407 Export the reagent summary log Required materials USB flash drive Operator access level Supervisor Perform this procedure to export the reagent summary log. 22. • Delete files. NEU IAS mean Displays graphical data for the mean NEU IAS
mean Displays graphical data for the mean NEU IAS mean Displays graphical data for the mean NEU IAS mean Displays graphical data for the mean NEU IAS mean Displays graphical data for the mean NEU IAS mean Displays graphical data for the mean NEU IAS mean Displays graphical data for the mean NEU IAS mean Displays graphical data for the mean NEU IAS mean Displays graphical data for the mean NEU IAS mean Displays graphical data for the mean NEU IAS mean Displays graphical data for the mean NEU IAS mean Displays graphical data for the mean NEU IAS mean Displays graphical data for the m descriptions, page 204 Descriptions of screen and Edit Limit/Delta Check screen, page 200 Edit Limit/Delta Check screen, page patient rule settings for a patient limit set group. The scanner read zone length is 50 mm. • Configure the system time and time format. NOTE: Wait until the process is completed before moving to the next step. Reagent Status button Navigates to the Current tab on the Reagents screen for the module. To minimize the effect of hemoglobin measurements, the HGB Reagent destroys WBC and associated cellular fragments. User Defined 1 Displays the operator configurable information. RBC: Red Blood Cell Displays the red blood cell count per volume. Limit/Delta Check screen, page 199 Create Limit/Delta Check screen and Edit Limit/Delta Check screen, Retest/Reflex tab element descriptions, page 205 Create Limit/Delta Check screen and Edit Limit/Delta Check screen, General tab element descriptions, page 202 Create Limit/Delta Check screen and Edit Limit/Delta Check screen, Morphology Flags tab element descriptions, page 204 Create Limit/Delta Check screen and Edit Limit/Delta Check screen, Retest/Reflex tab element descriptions, page 210 Create Limit/Delta Check screen and Edit Limit/Delta Check screen, the supervisor can configure the limit and delta check settings for a patient limit set group. Date/Time Zone area System Date Displays a box that is used to edit the system date. Function buttons Run Background counts in the configured test type. On the toolbar, tap the Previous Topic button or the Next Topic button NOTE: For the Alinity hq, do not insert any racks into the module until the autobackground is completed. A horizontally oriented, polarized light to pass. The fluorescence signal is used in the WBC differential measurement. MSH-6 Receiving Facility Displays a text box that is used to enter the MSH-6 Receiving Facility for HL7 host messaging for a maximum of 20 alphanumeric characters. Alinity h-series hardware overview Section 1 Amber (steady) The rack is inserted or the lane is reserved. In this plot, IAS3 is measuring the internal complexity, which facilitates RBC and platelet separation. Pneumatics Failure VAC1 The system vacuum supply was outside the acceptable range during sample processing. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Principles of operation (Alinity h-series Operation State) and platelet separation. Areas in green indicate locations of operator interaction for some tasks. Order Filler ID Displays the unique number assigned by the host for the test order. After dilution and mixing are completed, sample dilutions are transferred from incubation cups to the optical flow cell. 882 Run controls by closed-tube processing (Alinity New Carryover Navigates to the New Carryover screen. In the optical flow cell, the sample is forced into the center of a cell-free liquid sheath. • Test HL7 communication settings. 114 System relocation... Specimen identification and test selection 3 Previous Topic and Next Topic buttons 7. IAS2 mean Displays the mean RBC IAS2 optical signal. Tap Add Rule. HGB 10.0 g/L to 250. The Alinity hs module automates blood film prepared whole blood smears. First Name Displays a text box that is used to enter the first name of the user. Statuses are indicated by the following colors: Green The reagent item has not yet exceeded the lot expiration. The Alinity hq Commercial Whole Blood Control can be used to monitor complete blood count parameters, and reticulocyte parameters. The Alert Center at Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Use or function Alinity system software overview Section 1 the top of this bar indicates when alerts and notifications. Edit QC File screen (Alinity hq), page 874 Edit QC File screen, the operator can edit an existing QC file for a whole blood specimen. Rule 2 (13s) One value falls outside 3SD. Controls are run with patient samples and are used to monitor the assay and system performance over time. In the Logo Image area, tap Remove. No Rules Displays an option to select no rules. A system administrator can edit the module name or description. These differences are managed by factoryset internal dilution factors. Function buttons Done Navigates to the Limit/Delta Check screen. To reset the stain protocol to the default setting, tap Reset Protocol. The status of the quality control is indicated by the following colors: Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Operating instructions Home screen Section 5 Green The last rack of QC samples completed processing and all control results are within the acceptable range. Run Date/Time Displays the date and time of the reagent. RETIC Temperature Out Of Range The Retic Reagent heater temperature was outside the acceptable range during sample processing. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Operating instructions Home screen Section 5 No Inflow (auto) The rack transport into the module is prevented by the SCC due to the automated maintenance scheduler. Yellow The reagent item is within 4 days of exceeding the lot expiration. The module can be paused from either the SCC or the LUI. On the Edit User screen, edit any of the following information: - First Name - Last Nam lanes Required instrument status Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Any status 153 Installation procedures and special requirements System configuration Section 2 Operator access level Supervisor Perform this procedure to configure a module lane as a STAT processing lane. Create File screen, page 250 Precalibration checks (Alinity hq), page 522 Run a precision check Prerequisite Disable the inflow of racks for the module on the Rack Transport flyout. Use or function, page 50 Primary components of an Alinity h-series, page 50 Primary components of an Alinity h-series includes the following primary components: System Control Center Provides a user interface for the Alinity h-series. It is recommended that the Moving Average programs be used initially with the default settings for acceptance limits and action limits until the laboratory can establish its own values. Aspirate and dispense subsystem: Aspirate sthe sample and dispenses it onto a slide. Delete All Deletes all print requests from the printer queue. 91 Reagents (Alinity hq). .91 Reagents (Alinity hs). NOTE: The rack transport status is not available on the Alinity hq standalone system unless it is connected to an LAS. Evaluation of control results (Alinity hq), page 884 Eject a rack, page 470 Halt behavior (Alinity hq), page 627 Halt Details flyout element descriptions (Alinity hq), page 628 Alinity h-series Operations (Alinity hq), page 628 Alinity h-series Operations (Alinity hq), page 628 Alinity h-series Operations (Alinity hq), page 627 Halt Details flyout element descriptions (Alinity hq), page 628 Alinity h-series (Alinity hq), page 628 Alinity hq), page 628 Alinity hq), page 628 Alinity h-series (Alinity hq), page 628 Alinity hq), page 628 Alinity hq), page 628 Alinity h-series (Alinity hq), page 628 Alinity hq), p check (Alinity hq) A precision check is a method that is used to determine whether each coefficient of variation (CV%) for an Alinity hq module meets precision specifications before calibration or during troubleshooting. Level Displays the following access level options of the user: • General • Supervisor • Administrator Status Displays the following status options of the user: • Active • Inactive Created On Displays the date and time that the user profile was created. The module pauses after all aspirated specimens are processing sequence (Alinity hq), page 270 Sample analysis cycle overview (Alinity hq), page 273 Measurement techniques (Alinity hq), page 295 Specimen-processing sequence (Alinity hq), page 295 Specimen-processing sequence: 1. Remove Displays a button that is used to remove the current logo image. Date Displays the date and time that the print request was submitted to the print request was submit that the module is ready to process specimens. Red The reagent item has exceeded the onboard stability. Specifications and requirements, page 318 Physical specifications (unpacked) Module Height Width Depth Weight Alinity hq 1499 mm (36 in.) 914 mm (36 in.) 250 kg (553 lb) Alinity hs 1499 mm (59 in.) 762 mm (30 in.) 914 mm (36 in.) 281 kg (620 lb) System Control Center 1499 mm (59 in.) 457 mm (18 in.) 635 mm (22 in.) 457 mm (22 in. detection of platelet clumps and for demonstrating the degree of nuclear segmentation of neutrophils. It contains a ribbon that uses thermal transfer printing on the print area of the glass slides. Generating a blood smear 5. Data analysis and presentation (Alinity hq), page 285 Hemoglobin measurement process (Alinity hq), page 285 Normal case studies (Alinity hg) This case represents an adult, displaying what is considered a normal hematological profile, with all results within the reference ranges. To save the edit to the QC file and return to the QC file screen, tap Done. Size Displays the size of the document in the printer queue. The methodology may include microscopic examination of a blood film. To delete the edit to the location, tap Cancel. The system administrator can perform the following functions: • Configure checksums. On the Utilities screen, tap Licenses. Right Field Displays the text for the user-defined
content. IAS1 mean Displays the text for the user-defined content. IAS1 mean Displays the text for the user-defined content. rules analyze control results in a statistical manner in relation to the established mean and the standard deviation (SD) within a given level of control. Number Format area Thousand/Decimal Separator: • Comma and Period (1,000,000.00) (default) • Period and Comma (1.000.000,00) • None and Period (1000000.00) • None and Comma (1000000,00) Speaker Volume from 0 through 10. The module can be run from either the SCC or the LUI. - Tap to clear the check box to remove a parameter as a column. The following list describes the default menu commands: System Log Source and special requirements System Configuration Section 2 2. Result Flag area Name Oisplays the name of the flag. The animation plays and the Play button changes to a Pause button . If a statistically significant change occurs in the count rate during the measurement time, the count rate flag is set. Elements Reagent Displays the reagents on the module or modules. On the General tab of the Edit Limit/Delta Check screen, enter the following information as necessary: - Name - Sex - Age Range From -Age Range To - Max Days Between Records NOTE: If the Is Default option is Yes, the only editable setting is Max Days Between Records. Display the identification of the last four operators who logged on to the system. Slide picker: Picks up slides from the glass slide holder with a vacuum and places the slides on the slide shuttle. The WPS also provides status and error messages to the module to enable accurate troubleshooting and logging of issues for service and maintenance purposes. Pause Displays a message requesting confirmation to transition the instrument status of the module from Running or Processing to Idle. . Water circulates continuously through the WPS and each Alinity hq module, and water quality is monitored continuously. Alinity h-series ...357 Lock the user interface... error or an operator stop command. 356 Log on. Operations Manual 80000023-107 - 2019-09-03 251 Installation procedures and special requirements Utilities screen Comment Section 2 Displays a text box that is used to enter comments about the precision file. 518 Export the calibration history (Alinity hq).... . Halt Behavior Enable or disable the halt behavior for quality control and Moving Average programs. To enter the ..522 Calibration methods (Alinity hg)... .519 Precalibration checks (Alinity hq)... hq). end date, tap the calendar inside the box. Module (Alinity hs), page 65 Slide picker assembly (Alinity hs) The slide picker assembly components picks up, aligns, and places slides on the slide shuttle. Conditions that promote laminar flow are low velocity, low diameter, and high viscosity. Affix the three tubes of lowconcentration blood specimens. Configure screen, Results tab, page 185 Flagging Threshold screen element descriptions, page 197 Configure the flagging threshold screen element descriptions. Red The instrument status of the module is Offline or Stopped. Processing Indicates that the specimens are being processed. The following formats are used based on the magnitude of the result: 100, 100, or .001. A cell-free liquid sheath surrounds the diluted sample and moves with it in a laminar flow. Figure 43: Phosphate Buffer Related information... NOTE: For each replicate of a whole blood specimen, the tube is aspirated twice and is processed on both the left incubation block are selected. Required consumables, page 91 Diluent (Alinity hg), page 92 HGB Reagent (Alinity hg), page 93 WBC Reagent (Alinity hg), page 94 Retic Reagent (Alinity hg), page 95 AutoClean Solution (Alinity hg), page 96 Diluent (Alinity hg), page 96 Diluent reagent include: • Acts as the primary diluting fluid for the RBC measurement, and the RETIC measurement, and the RETIC measurement, and the RETIC measurement, and the RETIC measurement. drive into the SCC. • Edit files. Operating instructions, page 345 Home screen element descriptions, page 370 Desc Status flyout, page 380 Rack Transport Status flyout, page 382 AbbottLink Connection Status flyout, page 383 Home screen element descriptions Menu bar Alert Center flyout. NOTE: The target value is configured on the Moving Average Setup screen. Your Operator ID Displays the operator ID of the logged-on user. To delete a tab, perform the following steps on the Result Summary Views screen: a. L/R Block Displays the block used to perform a carryover run. Print button (SCC only) Related information... Optical RETIC tab ALL mean 902 Displays graphical data for the mean RETIC ALL optical signal. The module begins to test the tube in tube position 1 first. Lot Displays the lot number for the reagent currently in use. RETIC Pump Error During sample processing, an error occurred with the Retic Reagent pump, which supplies Retic Reagent pump, which supplies Retic Reagent for sample processing, an error occurred with the Retic Reagent pump, which supplies Retic Reagent for sample processing. as LL or HH next to the result on the Results screen, and in printed reports. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Installation procedures and special requirements System configuration Section 2 5. Lane image Displays 12 lanes on the Alinity has modules. The following list shows the lane status: Indicators off The lane is empty. Avoid water that does not look to be clean. Complications caused by H. These three tabs are the default and contain parameters that are related to each other. Select All Selects or deselects all items in a list. An optical filter allows the 530 nm light to pass, but blocks the 488 nm light. Supplies (Alinity hs), page 101 Load a smear tape cartridge (Alinity hs), page 421 Open and close the module cover, page 589 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 105 Use or function Required accessories Section 1 Required accessories Required accessories are parts that are needed for sample processing on the Alinity h-series. 596 Diagnostic procedure descriptions.... .. Edit Criteria, Operator, or Actions. Two inverted 1 L bottles with keyed tops are loaded in the upper reagent drawer to transition from an empty bottle to a full bottle without an interruption in module operation. Custom stain protocols are available for the May-Grünwald-Giemsa stain (MGG) and the Wright-Giemsa (WG) stain. Information area: Provides access to all system information and functions associated with the selected folder. NOTE: Reflex rules are available only when the system is configured with an Alinity hs. Log On screen, page 353 Descriptions of screen elements, page 81 Log On screen (LUI) element descriptions On the Log On screen, on the LUI, the operator can log on to the module. The flag low limit or flag high limit is displayed as L or H next to the result on the Result Screen, and in printed reports. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 75 Use or function Alinity h-series hardware overview Section 1 Figure 30: Slide picker assembly (Alinity hs) Legend: 1. An investigation is recommended to determine whether any intervention or corrective action is needed. WBC: White Blood Cell Displays the white blood cell count per volume. 566 Preparation of sodium hypochlorite solutions. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 235 Installation procedures and special requirements System configuration Section 2 Elements Displaying Procedure Displays the file folder hierarchy that contains the procedure Files in files displayed in the Procedure list. IRF Displays the immature reticulocyte. Printed labels must be clean and dry when they are presented to a bar code reader. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 879 Quality control (Alinity hq) QC files (Alinity hq) Section 11 Related information... Search box 3. Monitor: Displays a local user interface (LUI) that shows status information and provides a means to control certain Alinity hs module operations Manual 80000023-107 -2019-09-03 65 Use or function Alinity h-series hardware overview - 4. HGB: Hemoglobin Displays the hemoglobin concentration. - Tap Active to activate a user. Repeat Every Displays a drop-down list that is used to select the day of the week for automatic weekly runs. • Remove a configured printer from the software. • Converts the hemoglobin to a stable chromogenic complex that is measurable at 540 nm. Waste Setup screen (Alinity hq), page 151 Lane Setup screen On the Lane Setup screen, the operations manual use, page 38 Search for a term Perform this procedure to search the operations manual. The signals give information about cellular characteristics, such as size, complexity, nuclear lobularity, and cytoplasmic granularity, that helps to identify cells. Tap STAT, and then tap the lane to configured on the menu bar. ** WBC Saturation, RBC Saturation, RBC Saturation, RBC Saturation, Background Failed, and Sample was Processed in Halt Mode are No Impact System Faults. X-B stands for XB, which is the symbol for the mean that is used to calculate moving averages of the RBC indices with an algorithm developed by Dr. Brian Bull. On the Users screen, tap an operator ID to . The average mass of hemoglobin for each unit volume in red blood cells. Exceptions Displays the total number of exceptions. Abbott A symbol Saves the print screen image to a USB flash drive. Export Reagents Displays the Export inactivate or activate. 561 Waste handling and disposal. Reagents flyout. Export Exports the selected files. Sample was processed in Halt Mode** An order was in progress when the module entered halt mode. Pneumatics Failure PAC2 The sheath pressure was outside the acceptable range during sample injection. button The Home button navigates to the selected external media. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 61 Use or function Alinity h-series hardware overview Section 1 Figure 21: Internal
components (Alinity hq) Legend: 1.752 Computer hardware peripheral message codes (8000-8999)..... .. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 277 Principles of operation Principles of operation (Alinity hq) Section 3 Figure 61: Laser light path Related information... The icon is displayed when the specifications and requirements, page 318 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 317 Performance characteristics and specifications and requirements. Section 4 Specifications and requirements for the Alinity h-series pertain to the appropriate installation and mixing are completed, the sample is transferred from the HGB incubation cup to the hemoglobin flow cell. Perform this procedure or follow the procedures of the laboratory to establish Moving Average program target values. The LUI monitor position may be adjusted to accommodate the preference of the operator and to open the module cover. The system uses the following categories of data flags for the Alinity hq: • Data invalidating flags • Morphological flags • Numerical result flags: - Limit set flags - Calculation and display status flags • Optional flags: - Delta check status flags • Optional flags screen displays the details of the selected carryover. NOTE: If the No Rules option is selected, the leukopenia reflex testing is unavailable to configure. General operators can change their personal user PINs but cannot change the users. To save the edits to the maintenance scheduler, tap Save. Insert the external media. HL7 Communication screen, page 170 Descriptions of screen elements, page 81 HL7 Communication screen, Connection Tests flyout element descriptions The Connection Tests flyout provides the results of HL7 communication screen, Connection Tests flyout element descriptions of screen elements, page 81 HL7 Communication screen, Connection Tests flyout element descriptions The Connection Tests flyout element descriptions of screen elements, page 81 HL7 Communication screen, Connection Tests flyout element descriptions The Connection Tests flyout element descriptions of screen elements, page 81 HL7 Communication screen, Connection Tests flyout element descriptions The Connection Tests flyout element descriptions of screen elements and the connection tests flyout element descriptions and the connection tests flyout element descriptions of screen elements and the connection tests flyout element descriptions and tests Pages 878 to 880 are not shown in this preview. size Neutrophils and immature granulocytes (yellow), and eosinophils are separated from lymphocytes (cyan) and monocytes (purple) on the basis of their size, IAS, and 90° polarized side scatter (PSS) light scatter characteristics (representing size, complexity and lobularity, respectively). Tap Apply. 355 Operating instructions Log On screen Section 5 295 Principles of operation Principles of operation (Alinity hq) Section 3 Background Failed** The background results exceeded the acceptable levels for a CBC+Diff+Retic background assay. 840 Handling of control material (Alinity hq)... Function button ? Operating instructions, page 345 Log On screen element descriptions, page 358 Log On screen (LUI) element descriptions, page 358 Log On screen element descriptions, page 358 Log On screen element descriptions. information for all modules. Specifications and requirements, page 318 Performance specifications The following performance specifications apply to Alinity h-series systems that have been installed and maintained according to the quidelines in this manual and are operated with the recommended reagents and supplies. Verified Date/Time Displays the date and time of the last successful verification of the printer operation. RBC fragments can make RBC results suspect or invalid based on the degree of fragmentation. Re-enter New PIN (the confirmation of the new PIN for the selected operator ID) 5. New PIN big based on the degree of fragmentation. Re-enter New PIN (the confirmation of the new PIN for the selected operator ID) 5. New PIN big based on the degree of fragmentation. Module bar Displays buttons of the module numbers of the instruments configured for precision with the currently displayed module highlighted. Figure 14: SCC cart with components Legend: 1. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Operating instructions Reagent inventory management Section 5 Expiration Date Stability Yellow The volume of the reagent is below the configured low alert setting. Affix bar code labels with the same SID to each tube. When the button is selected and then a lane is selected on the screen, the lane becomes a standard lane. Various combinations of these measurements, along with fluorescence, are used to perform the following functions: To analyze samples for WBC, RBC, PLT, RETIC, and NRBC • To classify WBC subpopulations • To provide morphological flagging Related information... For help with grading the labels, contact the bar code label supplier or the printer supplier. Alert Displays an alert icon for precision results that need to be reviewed. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 161 Installation procedures and special requirements System configuration Section 2 • Default is 15 minutes. Licenses Report Tab Displays a drop-down list that is used to select one of the following detail report tab names: • Reportable • WBC • RBC/PLT/RETIC • RUO NOTE: RUO is displayed in the drop-down list only when the Show RUO Parameters check box is selected. 31 Navigation pane. . The supervisor can configure the lanes on a module for STAT processing. Entries in the list of orders can be downloaded from a

host computer or can be created manually. You're Reading a Free Preview Pages 455 to 457 are not shown in this preview. Module SN Displays the serial number of the reagent container. 21. • Refresh the information on the screen. These the information on the screen. irregularities deflect laser light at various angles from the illuminating beam. Home screen, page 380 View a print job in the printer queue, page 380 View a print job in the printer queue, page 380 View a print job in the printer queue, page 380 View a print job in the printer queue Perform this procedure to view a print job in the printer queue Perform this procedure to view a print job in the printer queue Perform this procedure to view a print job in the printer queue. components of an Alinity h-series, page 50 Indications for use (Alinity hq), page 56 Loading area (Alinity hq), page 58 Drawers (Alinity hq), page 59 Alinity h-series hardware overview Section 1 Internal components (Alinity hq), page 58 Drawers (Alinity hq), page 59 Alinity h-series hardware overview Section 1 Internal components (Alinity hq), page 50 Indicators (Alinity hq), page 50 Indicator hq), page 61 Sample handler robot (Alinity hq), page 63 Incubation cups (Alinity hq), page 64 Indications for use (Alinity hq) The Alinity hq modules are designed to analyze ethylenediaminetetraacetic acid (EDTA) anticoagulated blood specimens and to report the parameters. Receiver Channel Status Alinity h-series Operations Manual 80000023-107 2019-09-03 Displays the current connection status and the date and time of the most recent status change for the HL7 receiver channel. 42 Use the index... MGG Protocol 10, MGG Protocol 11, and MGG Protocol 12 are the custom stain protocols for the May-Grünwald-Giemsa stain. The following status updates are displayed on the module image: • Instrument Status • Mode • Reagent Status • Mode • Reagent Status • Mode • Reagent Status Instrument Status button 372 Displays the current status of the module. 888 Moving Average program operation (Alinity hq) • Lane Status Instrument Status • Mode • Reagent Status • Mode • ...890 Moving Average program notifications (Alinity hq)... ..904 Glossarv.. The rack may be ejected. One set of samples was stored at room temperature (15°C to 30°C) for a maximum of 24 hours and then analyzed Transports the slide carrier with stained smears to the stain drying station 5. The following elements are available: , + Done 356 The Plus button displays a box that is used to enter the operator ID. 544 Precautions and requirements for system operation. 349 Start the • Configure the number format. Abbott Laboratories recognizes the importance of incorporating cybersecurity considerations early and throughout our product design and development process. 541 Verify the calibration of the module (Alinity module 541 Operational precautions and limitations.. .543 General requirements. The Information was developed to be used by Abbott Laboratories-trained personnel, by other persons knowledgeable or experienced with the hα). . IMPORTANT: When the general settings are changed, the SCC automatically restarts. Test operation and service of the product identified, under the supervision and with cooperation from Abbott Laboratories technical support or service representatives. 437 Specimen preparation and handling. selection can be performed automatically or manually. Supplies (Alinity hs), page 101 Replace a waste container (Alinity hs), page 424 Glass slides are blank slides that are supplied by Abbott. 231 Installation procedures and special requirements System configuration Section 2 Cancel Selections or entries and displays the previously viewed screen or flyout. Under Westgard Rules on the Comm Whole Blood Control tab of the QC Settings screen, tap the row for the precision file to view. 162 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Installation procedures and special requirements System configuration Section 2 5. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 63 Use or function Alinity h-series hardware overview Section 1 Figure 22: Sample handler robot (Alinity hq) Legend: 1. In the list of search results on the Search tab, tap a topic title. MONO Displays the monocyte count per volume. Under Weekly Scheduler, perform the following steps: - Tap the Automatically run maintenance procedures at scheduled time check box to enable automatic maintenance. Table 25: Background concentration limits Parameter Background concentration limits SI units WBC < 0.1 x 109 cells per liter RBC < 0.02 x 1012 cells per liter HGB < 1.0 g/L RETIC < 5.0×109 cells per liter PLT $\leq 3.00 \times 109$ cells per liter Related information... On the Utilities screen, tap Carryover. Tap Export. NOTE: This function button is available after a user is selected. Installation procedures and special requirements, page 113 Version Data screen (LUI), page 267 Version Data screen on the LUI, the operator can view the following information ... %B Displays graphical data for the percentage of basophil. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 127 Installation procedures and special requirements System configuration Section 2 3. Tap Apply Rule. Amber (steady) The slide carrier rack is inserted and may be empty, in use, or reserved. Before using Westgard rules with commercial controls, establish the SD for each parameter and update the QC range based on each SD. You could also develop a condition called gastritis, which is an inflammation of the stomach. Displays the expiration date for each reagent. On the Precision Results screen, compare the CV% for each parameter in the precision specifications to determine if the module is precise. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 151 Installation procedures and special requirements System configuration Section 2 Function buttons Done Saves changes and either displays the previously viewed screen or closes the flyout. Parameter Displays the PLT parameter Displays the PLT parameter for the interpretive result configurations. To delete the edits, tap Cancel. NOTE: On the Alinity hs, carrier lanes D, E, and F cannot be configured as STAT lanes. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 131 Installation procedures and special requirements System configured. System cycle power, start, pause, and stop, page 346 352 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Operating 03 893 Quality control (Alinity hq) Moving Average programs (Alinity hq) Section 11 IAS3 mean Displays the mean RETIC IAS3 optional signal. Review any significant differences between the supplemental information and the workplace safety requirements with management or a workplace safety representative. Calibrate the module. To delete the edit to the tab, tap Cancel. Home icon Navigates to the Home screen. Operations manual use, page 38 Print a topic from the operations manual Perform this procedure to print a topic that is displayed in the topic pane. 15. The other type has smaller holes and can be used with most capillary collection tubes. Patient Limit Lower Displays text boxes that are used to enter a lower patient limit value for each parameter. MORE FROM QUESTIONSANSWERED.NET Alinity h-series Operations Manual For use with the Alinity hq module and the Alinity hs module 80000023-107 Table of contents Read me first. days of exceeding the onboard stability. To delete the edits to the program settings, tap Cancel. Tap Create Refex 206 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Installation procedures and special requirements System configuration Section 2 Function buttons Done Navigates to the Limit/Delta Check screen. Slight differences between Alinity hq modules may cause these volumes to vary. • Target value: This value is the mean that is expected of the parameter results, which is analogous to the assay value for a commercial control. The RBC/PLT, WBC, and Retic dilutions are injected into the optical flow cell through a nozzle assembly. SID Displays the specimen identification number. MPV: Mean Platelet Volume Displays the mean platelet volume. Create Navigates to the Create Limit/Delta Check screen. To delete the bar code settings, tap Cancel. Amber (steady) The rack is inserted or the lane is reserved. Tap Set PIN. The lanes are numbered from 1 to 12 from the left side to the right side. IMPORTANT: Do not use the following characters for specimen identification: | tabs These characters for specimen identification: | tabs Thes change for the HL7 sender channel. MCV, MPV, IRF, and %R are not affected by dilution; therefore, confirmation by dilution is not possible. Tap Pause. HCT Displays the percentage of hematocrit. • Configure host transmission settings. Initial measurements were made after specimens were drawn. Under Acceptance Criteria, enter the following information for each Moving Average program parameter: - Acceptance range lower limit - Acceptance range upper limit - Target values are automatically populated and cannot be deleted. HCT: % Hematocrit Displays the percentage of hematocrit. To edit the number of days, type a number . The precision check can be run on either the left or the right incubation block. Stability Days Displays the number of days that remain for onboard stability for the reagent. On the menu bar, tap the Home icon. or tap the Up Arrow and Down Arrow buttons, 473 Sample Tracking screen. Confirm that entered edits are saved. Transports the slide carrier with stained smears to the stain drying station 3. 223 Installation procedures and either displays the previously viewed screen or closes the flyout. System documentation, page 25 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 27 Conventions for the operations manual System documentation conventions for the operations for the system. Lock button Locks the screen and displays the Log On screen. SID Displays the sample identification number
for the file. NOTE: The automatic backup location must be external media. FL1 mean Displays graphical data for the mean RETIC FL1 fluorescence signal. To add a tab, perform the following steps on the QC Result Data Views screen a. Receiver Channel area Port Test Verifies that the SCC software is running correctly to connect to the HL7 host software. Places the slides into slide carriers in the sample loading robot for smear drying. Sample Processing screen, page 453 Unit Format screen on the Unit Form unit format settings for whole blood specimens. Procedures Log Screen. Figure 40: Retic Reagent Alinity h-series Operations Manual 80000023-107 - 2019-09-03 95 Use or function Required consumables Section 1 Related information... Category Displays the category for the procedure. NOTE: If a bar code label • Uninstall maintenance procedures. ; :] [\ } { ' - = ~ ! @ # \$ % ^ & *) (+ and . 365 Operating instructions Home screen Mode button Section 5 Displays the current status of the mode cannot be read, a picture of the slide label is attached to the result. 553 Operator responsibility... Certain types of cytoplasmic granules, specifically those found in eosinophils, depolarize light during the scattering process. On the Alinity hs, the Supplies screen displays the status of the glass slides, the smear tape cartridge, and the number of tests remaining. Therefore, DSS is considered as a measurement of a cell's depolarizing granularity. To delete the edits to the printer settings, tap Cancel. The default is 50020. 840 Types of controls (Alinity hq)... Modules screen, page 154 Edit Modules screen element descriptions, page 156 Edit a module, page 157 Edit Modules screen element descriptions Module area An area is displayed for each module on the system. B.S. Bull et al., "A Method for the Independent Assessment of the Accuracy of Hematology Whole Blood Calibrators," American Journal of Clinical Pathology (1992). 23. NOTE: To clear the STAT configuration for a lane, tap Clear Lane, and then tap the lane to clear. Stopping Indicates that the module is stopping the specimen processing before the status transitions to Stopped or Shutting Down. 43 Resize, move, and close the operations manual..... QC Result Data Views screen, page 219 Rename a tab on the QC screens Operator access level Supervisor Perform this procedure to rename a tab on the QC screen, the QC Summary screen, and the Precision Results screen. • Enable or disable the automatic printing function. To delete the edits to the user settings, tap Cancel. The Alinity hq uses scatterplots and histograms to analyze and present the data. Is Default Displays No for all configured patient limit set groups. If the operator does not create a new test order, processes the sample with the default test type. To delete the edits to the comment and close the flyout, tap Cancel. Buttons with blue text are available for use. It is attached to the frame of the module. IAS2 mean Displays graphical data for the mean RBC IAS2 optical signal. WMC See Workcell Master Controller, page 908. To save the edit to the location and return to the Automatic Backup screen, tap OK. Non-Alerted Results: • On • Off (default) Alerted Results: • On • Off (default) Function buttons Done Saves changes and either displays the previously viewed screen or closes the flyout. LAS Connection Status flyout, the operator can view the rack transport Status flyout, the operator can view the rack transport Status flyout. .. NOTE: Reflex rules are not available for the Alinity hg standalone system. You're Reading a Free Preview Page 851 is not shown in this preview. After initialization is completed, the instrument status of the module transitions to Running. On the Treatment for H. 545 Precautions and requirements before operation. menu bar, tap Reagents. IEC 60825-1 Symbol Description Caution: Class 3B Laser radiation when open. The Backspace button is used to clear the last digit that was entered. Levey-Jennings (MA) Navigates to the Levey-Jennings (MA) screen. On the Configure screen, tap the Maintenance and Diagnostics tab. Time Displays the current system time. ALL/BSO ratio A ratio that is calculated by using optical signals measured at the axial light loss (ALL) detector and the beam shaping optics (BSO) detector. On the Home screen, tap Shutdown. Primary components of an Alinity h-series, page 50 78 Alinity h-series, page 50 78 Alinity h-series (BSO) detector. On the Home screen, tap Shutdown. Primary components of an Alinity h-series (BSO) detector. overview Section 1 Alinity system software overview The Alinity system software has a user interface that is designed to provide access to system information, software functions, and Help for an active screen. • Configure bar code parameters. HGB Displays the HGB results of a carryover run. f. Required consumables, page 91 Smear Fix (Alinity hs), page 97 Phosphate Buffer (Alinity hs), page 98 Smear Fix (Alinity hs), page 98 Smear Fix reagent is used for the following functions: • Fixes and provides permeability of the cells in preparation for staining • Preserves the morphology of the cells in preparation for staining • Preserves the morphology of the cells Two inverted bottles with keyed caps are loaded in the upper drawer to transition from an empty bottle to a full bottle without an interruption in module operation. User Profile screen, page 126 Descriptions of screen elements, page 81 Configure a display theme Perform this procedure to configure a display theme. drawer contains diluent. Use or function, page 89 Descriptions of screen elements, page 81 Menu bar, page 85 Descriptions of screen elements are items on each screen elements are items of screen elements, page 81 Menu bar, page 85 Descriptions of screen elements are items on each screen elements. lymphocytes. PLT Displays the PLT results of a carryover run. Shutting Down Indicates that the module is performing cleaning activities, such as homing the robots, before the module shuts down. The Home button navigates to the selected external media. Adjust the limits only after long-term monitoring indicates that an adjustment is warranted. Delete Displays a button that is used to delete the scheduled Times list. 346 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Operating instructions System cycle do the system, recover the system. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Installation procedures and special requirements System configuration Section 2 Sealed Batch Action Limits area Displays a table of sealed batch action limit parameters for the system uses a drain for the waste, the waste container is displayed with a status of Disabled. Precision testing may also be used to troubleshoot the module. 381 Operating instructions Home screen Section 5 Unavailable The LAS functionality is unavailable Lifts the rack to the removal position in the lane after the closed-tube processing when the rack is completed The sample handler robot transports open specimen tubes that can be processed in closed-tube mode. These messages indicate the potential for carryover to occur based on the difference between PLT results or WBC results for two consecutive samples (in the flow cell or in the same incubation block). - If From Current Runs is chosen, tap 2SD or 3SD if the updated ranges represent two or three standard deviations. Stain Protocol Displays a drop-down list that is used to select a stain protocol. The outer detector of the block measures four angles of intermediate angle scatter (IAS, IAS1, IAS2, IAS3). Principles of operation (Alinity hq), page 295 Data flags (Alinity hq system conditions on the Alinity hq (except for PLT Carryover, WBC Carryover, Short Sample, and Probe Obstruction messages, which are sample specific). In the Operator drop-down list, tap an item. 441 Specimen collection... Yellow The volume of one or more reagents is below the configured low alert setting. In addition, governing regulatory agencies can specify the frequency of QC runs. Criteria Displays a drop-down list that is used to select one of the following items: • Parameter (default) Alinity h-series Operations Manual 80000023-107 - 2019-09-03 205 Installation procedures and special requirements System configuration Section 2 • Morphology Flag • Delta Check Parameter Displays the default parameter name. Table 7: May-Grünwald-Giemsa factory-set stain protocol 1 Whole Blood 30 seconds 40 seconds 200 seconds 30 seconds 0% stain MGG Protoco 2 Whole Blood 30 seconds 60 seconds 60 seconds 5% stain MGG Protocol 3 (default) Whole Blood 30 seconds 10% stain MGG Protocol 5 Whole Blood 30 seconds 250 seconds 30 seconds 10% stain MGG Protocol 5 Whole Blood 30 seconds 10%
stain MGG Protocol 5 Whole Blood 30 seconds 10% stain MGG Protocol 5 Whole Blood 30 seconds 10% stain MGG Protocol 5 Whole Blood 30 seconds 10% stain MGG Protocol 5 Whole Blood 30 seconds 10% stain MGG Protocol 5 Whole Blood 30 seconds 10% stain MGG Protocol 5 Whole Blood 30 seconds 10% stain MGG Protocol 5 Whole Blood 30 seconds 10% stain MGG Protocol 5 Whole Blood 30 seconds 10% stain MGG Protocol 5 Whole Blood 30 seconds 10% stain MGG Protocol 5 Whole Blood 30 seconds 10% stain MGG Protocol 5 Whole Blood 30 seconds 10% stain MGG Protocol 5 Whole Blood 30 seconds MGG Protocol 6 Whole Blood 30 seconds 30 sec MGG Protocol 10 Whole Blood User defined Use 09-03 311 Principles of operation Principles of operation (Alinity hs) Section 3 NOTE: The instrument status must be Running to change the protocol selection. The Precision Results screen displays the same parameters. Limit/Delta Check screen on the Create Limit/Delta Check screen, the supervisor can perform the following functions: • Create the settings for limit and delta checks. Recommended specimen collection Tubes Greiner Bio-One • • Vacuette MiniCollect Tube Sarstedt • • • S-Monovette Microvette Micro Tube KABE Labortechnik • • • KABEVETTE G Primavette Primavette S Terumo • • Venoject II CAPIJECT Vacutainer Microtainer MAP Microtainer Microtainer Microtain Recommended specimen collection tubes for open and closed mode IMPORTANT: The tubes in the following table are listed only to address physical compatibility and are not recommended based on analytic performance. To configure patient rules on the Retest/Reflex tab, tap an item in the Criteria drop-down list. Target Displays text boxes that are used to edit the target values for the parameters of the control. 185 Configure screen, Quality Control tab. .219 Configure screen, Maintenance and Diagnostics tab. - To turn on or turn off the alerted results, tap an option in the Alerted Results area. To delete the edits to the module settings and return to the Modules screen, tap Cancel. Under Parameter Reference Values, tap a module in the Module drop-down list. 45 Procedure map task lists.... 46 Use or function. This applies to both Alinity hg modules and Alinit hs modules. Classification of list mode data into hematological populations The list mode data is divided into cell populations by the algorithm. Result Details screen. 104 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Section 1 Use or function Required consumables Figure 50: Smear tape cartridge Related information... Name Displays a text box that is used to enter the module name. 618 Recover Materials screen (Alinity hs LUI) . Red The reagent has a status of Expired, Empty, or Not Present. Intermediate angle scatter (IAS) Intermediate angle scatter (IAS) is measured at a range of forward angles from the laser beam axis. For the May-Grünwald-Giemsa stain, the operator can configure protocols 10 through 12. Multi-Puncture Tube setting. Figure 55: Slide carrier Related information... Calculation and display status flags are displayed next to the affected parameters on the Results screen, on the Result Details screen, in exported files, in transmitted reports. Under User Definable 2 box. On the Morphology Flags tab of the Edit Limit/Delta Check screen, the supervisor can edit the morphology flag settings for a patient limit set group. Your PIN (the current four-digit PIN of the logged-on user) b. Maintenance Scheduler screen, page 81 Configure the maintenance scheduler screen, page 829 Descriptions of screen elements, page 81 Configure the maintenance scheduler screen, start times and weekly intervals for maintenance procedures. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Installation procedures and specific guidelines for validation in the laboratory review criteria is also recommended. Read me first, page 11 12 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Read me first System security Abbott Laboratories is committed to the security of the Alinity systems and reducing cybersecurity risks associated with our medical devices. character. NOTE: The limit is configured on the Moving Average screen. 582 Descriptions of maintenance and diagnostic procedure statuses..... . Reagents (Alinity hq), page 91 Replace a reagent bottle in the upper reagent drawer by using the LUI, page 397 Retic Reagent (Alinity hq) Major functions of the Retic Reagent include: • Stains nucleic acids in cells in the Retic dilution. Tap Save. - Tap the Down Arrow button for a selected parameter to move its column one position to the right. Lot Displays the lot number for the reagent. Created By Displays the lot number for the reagent. system software overview Data entry boxes Section 1 • Display text boxes that are used to type text. On the System Control Center tab of the Configure screen, tap HL7 . Reagents screen, page 385 Descriptions of screen elements, page 81 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 387 Operating instructions Reagent inventory management Section 5 Reagents screen, Summary tab element descriptions The Commercial whole blood calibrator (Alinity hg) Summary tab displays the reagent inventory information for items stored in the reagents log for all modules. NOTE: To open the monitor to the down position. IG Displays the immature granulocyte cell count per volume. QC Files area Commercial Whole Blood Control Displays a check box to enable or disable for limit violations and Westgard rules violations for commercial whole blood controls. Module Type Displays the name of the module type used in testing. Alinity h-series Operations for commercial whole blood controls. Module Type Displays the name of the module type used in testing. carrier is transferred to the stain drying position that uses warm and ambient air to dry the slides. • Prepares each cell for counting and sizing. The system administrator can perform the following functions: • Configure the IP address and thereby is removed from the System menu. On the Utilities screen, tap Backup/Restore. QC Level Displays the number of the module: • Alinity hs Module ID Displays the number of the module. On the General tab of the Configure screen, tap Printers. • On the menu bar, tap System and then tap Operations Manual (Help). Diagnostics Indicates that the module is undergoing diagnostic testing by an Abbott Laboratories representative. Delta Check area is displayed only on the General tab of the Edit Limit/Delta Check area is displayed only on the General tab of the Edit Limit/Delta Check area is displayed only on the General tab of the Edit Limit/Delta Check area is displayed only on the General tab of the Edit Limit/Delta Check area is displayed only on the General tab of the Edit Limit/Delta Check area is displayed only on the General tab of the Edit Limit/Delta Check area is displayed only on the General tab of the Edit Limit/Delta Check area is displayed only on the General tab of the Edit Limit/Delta Check area is displayed only on the General tab of the Edit Limit/Delta Check area is displayed only on the General tab of the Edit Limit/Delta Check area is displayed only on the General tab of the Edit Limit/Delta Check area is displayed only on the General tab of the Edit Limit/Delta Check area is displayed only on the General tab of the Edit Limit/Delta Check area is displayed only on the General tab of the Edit Limit/Delta Check area is displayed only on the General tab of the Edit Limit/Delta Check area is displayed only on the General tab of the Edit Limit/Delta Check area is displayed only on the General tab of the Edit Limit/Delta Check area is displayed only on the General tab of the Edit Limit/Delta Check area is displayed only on the General tab of the Edit Limit/Delta Check area is displayed only on the General tab of the Edit Limit/Delta Check area is displayed only on the General tab of the Edit Limit/Delta Check area is displayed only on the General tab of the Edit Limit/Delta Check area is displayed only on the Edit Limit/Delta Check area is displayed only on the Edit Limit/Delta Check area is displayed only on the Edit Limit/Delta Check area is displayed on the Edit Limit/Delta Check area is displayed on the Edit Limit/Delta Check area is displayed on the Edit Limit/Delta C function, page 49 Closed-tube racks, page 106 Laboratory automation system (LAS) racks, page 107 Open-tube racks, page 107 Open-tube racks, page 107 Open-tube racks, page 108 Glass slide holder (Alinity hs), page 111 Closed-tube racks, page 108 Glass slide holder (Alinity hs), page 110 Slide carrier rack (Alinity hs), page 108 Glass slide holder (Alinity hs), page 108 Glass slide tubes to a module for automated sample processing. Each person assumes full responsibility and all risks arising from use of the Information herein. Function buttons, the SCC connection statuses to the Utilities screen. To delete the edits to the parameter settings, tap Cancel. indicator, the name of the logged-on operator, the Lock button, the date and time, and the software version. The menu bar on the Alinity hq LUI provides these icons: - Home - Sample Tracking - Background - Test Runs - Lane Status - Module Cover - Reagents - Supplies System button: Displays a menu of commands. In the Set PIN flyout, enter the following information: a. Tap a Host-Interface option. For example, a blast flag may make MONO count invalid and trigger the "MONO boundary not found" message. Elements Displaying Backup Files In button Folder name button Displays the currently selected drive and folder. In the list on the Printers screen, tap a printer. NOTE: The table displays the specimen type and current protocol information. On the Results tab, tap Flagging Threshold. View the means for the batches and the Levey-Jennings graphs for the Moving Average program and determine if the results fall within the action limits. 427 Orders screen. Operations manual use, page 38 Use the glossary Perform this
procedure to view glossary terms and to display associated definitions. The quiet zone is the distance from the top edge of the label to the first black bar and from the last black bar to the bottom edge of the label. 443 Background ...444 Specimen processing (Alinity hs).... . PLT: Platelet Displays the platelet cell count per volume. Lane Setup Configure STAT lanes for a module. This length includes the required minimum quiet zone of 336 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Performance characteristics and specifications Specifications Specifications Specifications and requirements Section 4 Component Description Use Italic font style Indicates a reference to related information. Maximum label length is 51 mm (2.0 in) for a 75 mm (2.95 in.) sample tube. The button switches between Disable Inflow and Enable Inflow and Enable Inflow. IMPORTANT: Move the LUI monitor without pulling hard in any direction. %IG: % Immature Granulocyte Displays the percentage of immature granulocyte. Reagents screen, page 385 Edit the comment for a reagent Perform this procedure to edit the comment for a reagent. RBC tab RBC Displays graphical data for the red blood cell count per volume. WBC Saturation** During sample acquisition, the capacity of the event storage buffer was exceeded. • Change the display position of a tab on the QC screens. Configure screen, System Control Center tab, page 158 General Settings screen element descriptions, page 160 Configure general settings, page 162 General Settings screen element descriptions. Figure 2: Toolbar Legend: 1. If any other screen is page 160 Configure general settings, page 160 Confi displayed, tap the Lock button 2. Book icon (closed): Indicates that a list of subtopics is collapsed 2. NOTE: The Previous Topic button is unavailable for the first topic in the manual. For complete power removal, unplug the main system AC plug from the wall. Lane Setup screen, page 152 Process a specimen as STAT, page 467 Modules screen On the Modules screen, the operator can view the following information for the modules in the system: • Module ID • Module serial number • Name • Type • IP address • Tests that are enabled on the Alinity hq module • Description Related information... Status indicators called badges are displayed to notify the operator when a specific module problem requires attention: - A red triangle (alert) badge indicates module problems that require immediate attention. Pierce Failure A step loss error occurred when the pierce heedle pierced the tube. System cycle power, start, pause, and stop, page 346 Remove a capped specimen tube from the gripper (Alinity hq LUI), page 832 Remove the rack that contains specimen tubes in the loading area from the gripper (Alinity hq LUI), page 833 Remove a specimen rack from the gripper (Alinity hq LUI), page 835 Power off the module Perform this procedure to power off the module. Buffer Bath (seconds) Displays a text box that is used to enter the time for the buffer bath for the selected stain protocol. Elements Changing PIN for Displays the first name, last name, and operator ID of the user being edited. • Run QC in halt mode. The method that the Alinity h-series uses to calculate the hemoglobin concentration is described later in this manual. The status of the printer connection is indicated by the following button colors: Green The printer interface detects no errors. • View the Levey-Jennings plots for the QC files to identify shifts and trends. The horizontally oriented light is the only portion of the scattered light that can pass through a horizontally oriented. Mean Cell Hemoglobin of RBCs Displays the mean cell hemoglobin concentration. Export Files Displays the Export Files flyout. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 165 Installation procedures and special requirements System configuration. Export Files flyout. the selected USB flash drive. To save the edits to the user profile settings, tap Done. Purified water, under constant pressure and speed, enters the optical flow cell and forms a column of sheath fluid. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Operating instructions Home screen Section 5 Screen header Home/System name .. IMPORTANT: Do not use Westgard rules with the values for mean range that are provided on the control assay insert. Browse Displays a button that is used to select the drive and folder location for the Displays the screen title and the configured system name. 248 Carryover screen.. automatic backup. Under Open Tube Processing, tap an option for the number of seconds for the screen timeout. Placement: • Top • Bottom Measurements: • Tube Length 4. Limit/Delta Check screen, page 199 Edit Limit/Delta Check screen, page 200 Descriptions of screen elements, page 210 Create the limit and delta check settings, page 210 Create the limit and delta check settings required instrument status Any status of screen elements, page 200 Edit the limit and delta check settings required instrument status Any status of screen elements, page 200 Edit the limit and delta check settings required instrument status Any status of screen elements, page 200 Edit the limit and delta check settings required instrument status Any status of screen elements, page 200 Edit the limit and delta check settings required instrument status Any status of screen elements, page 200 Edit the limit and delta check settings required instrument status Any status of screen elements, page 200 Edit the limit and delta check settings required instrument status Any status of screen elements, page 200 Edit the limit and delta check settings required instrument status Any status of screen elements, page 200 Edit the limit and delta check settings required instrument status Any status of screen elements, page 200 Edit the limit and delta check settings required instrument status Any status of screen elements, page 200 Edit the limit and delta check settings required instrument status Any status of screen elements, page 200 Edit the limit and delta check settings required instrument status Any status of screen elements, page 200 Edit the limit and delta check settings required instrument status Any status of screen elements, page 200 Edit the limit and delta check settings required instrument status Any status of screen elements, page 200 Edit the limit and delta check settings required instrument status Any status of screen elements, page 200 Edit the limit and delta check settings required instrument status Any status of screen elements, page 200 Edit the limit and delta check settings required instrument status of screen elements, page 200 Edit the limit and delta check settings required instrument status of screen el limit and delta check settings. Reports screen, page 136 Sample Processing screen, the operator can view the settings for sample processing screen, the operator can view the sample processing screen, the operator can view the sample processing screen of the host settings. identification number of the precision file. To delete the edits to the user profile settings, tap Cancel. Configure screen, Auto Print flyout element descriptions, page 138 Configure the report header, page 139 Configure Auto Print settings, page 140 Reports screen element descriptions On the Reports screen, the system administrator can configure the report header and automatic print settings. Delta Check status for the sample. time-out An error that may occur for software communication functions when a defined time limit is exceeded while the operator waits for a response from a . Element Tab Name Displays a text box that is used to enter the name of the added tab. NOTE: If controls are run 1 hour or less before the scheduled time and the control results pass, the QC Status button does not change from green to device. • Edit existing users. 605 Delete a message from the Alert Center.... yellow. ** This message may indicate a short sample or a clotted sample. They are of high quality, transparent glass for microscope use. Edit Modules screen, page 348 Configure screen, System Control Center tab The operator can perform the following tasks from the System Control Center tab of the Configure screen: General Settings: • Date and time • System name • System name • System language • Online help language • Screen time-out Audio Settings: • Date and time • Number format • System name • System language • Screen time-out Audio Settings: • Date and time • Number format • System name notifications Host Setup Configure the following settings: • Host interface options • Host query options • Host transmission options • Automatic release options for results • Graph selections for whole blood 158 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Installation procedures and special requirements System configuration Section 2 HL7 Communication Configure ASTM channel settings: • Message headers • Sender channel • Receiver c 80000023-107 - 2019-09-03 323 Performance characteristics and specifications Specifications Specifications and requirements Section 4 CAUTION: Do not mix waste from the Alinity hs instrument with sodium hypochlorite (bleach) or any disinfectant or other material that contains sodium hypochlorite (for example, the waste of the Alinity hq instrument). Figure 74: ALL x IAS3 (RBC/PLT) IAS2 x IAS3 (RBC/PLT): Intermediate angles of light scatter The platelet population (yellow) and RBC (red) are separated using two intermediate angles of light scatter. In the Detail Report Tab drop-down list, tap an item. 427 Create Order screen... ..434 Edit Ordei Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Quality control (Alinity hq) Section 11 HCT Displays the percentage of hematocrit. bar code label A unique identifier that contains black bars that represent the sample information. Tap Save/Next. Label placement is too low. Performance specifications, page 592 5001 AutoClean, page 592 5005 Reagent Lot
Change, page 592 Background counts, page 443 Precalibration checks (Alinity hq), page 522 Carryover Carryover is defined by Clinical and Laboratory Standards Institute/National Committee for Clinical Laboratory Standards (CLSI/NCCLS) document EP10-A31 as "the discrete amount of analyte carried by the measuring system from one sample reaction into subsequent sample reactions, thereby erroneously affecting the apparent amounts in subsequent samples." Carryover is expressed as either a percentage or an absolute effect of one sample on succeeding analysis. The tubing has a quick-disconnect for ease of container replacement. To delete the edits to the tab position, tap Cancel. • Print the reagent summary. A second set of samples from the same donors was stored in the refrigerator (2°C to 10°C) for a maximum of 48 hours, brought to room temperature, and then analyzed. Maximum label width is 31.8 mm (1.25 in). NOTE: If any other language is changed to English, the time format is automatically changed from the 24-hour clock format. If the setting is enabled, the module does not limit the number of pierces (punctures) per tube. Section 2 On the menu bar, tap System, and then tap Configure. IAS3 mean Displays graphical data for the mean RETIC IAS3 optical signal. IMPORTANT: For a diluent lot change, five background runs need to be run and the last run performed must pass specifications before testing is continued. Edit Modules screen, page 155 Edit a module Required instrument status Any status, except where noted Operator access level System administrator or supervisor Perform this procedure to edit the settings for a selected module. fL 0.00 to 999. SID Displays a text box that is used to enter the SID. It contains a roll of spaced158 Configure screen, Results tab.. smear blades that make contact with the blood drop. Reagent Lot Displays the lot number for the reagent currently in use. 115 Configure screen, System Control Center tab..... This element is only available when the host communication interface is ASTM. In addition, commercially available verifier systems can perform these evaluations. To delete the edits to the morphology flag settings, tap Cancel. To enter the lower age, type the years and days in the boxes or tap the Up Arrow and Down Arrow buttons. The module cover must be closed during system operation. To return to the Configure screen tap Done. It may seem like a lot of medication to take in a day — perhaps 14 or more pills per day for up to two weeks, but your doctor will want to make certain that the infection is gone from your body. 58 Alinity h-series hardware overviews day of the certain that the infection is gone from your body. 58 Alinity h-series hardware overviews day of the certain that the infection is gone from your body. 58 Alinity h-series hardware overviews day of the certain that the infection is gone from your body. 58 Alinity h-series hardware overviews day of the certain that the infection is gone from your body. 58 Alinity h-series hardware overviews day of the certain that the infection is gone from your body. 58 Alinity h-series hardware overviews day of the certain that the infection is gone from your body. 58 Alinity h-series hardware overviews day of the certain that the infection is gone from your body. 58 Alinity h-series hardware overviews day of the certain that the infection is gone from your body. 58 Alinity h-series hardware overviews day of the certain that the infection is gone from your body. 58 Alinity h-series hardware overviews day of the certain that the infection is gone from your body. 58 Alinity h-series hardware overviews day of the certain the infection is gone from your body. 58 Alinity h-series hardware overviews day of the certain the certai Section 1 Figure 18: Lane status indicators (Alinity hq) The following list shows the lane status: Indicators off The lane is empty. The following tabs are also available on the Calibration screen: • Cal Factor History • Current Dil Factors • Dil Factor History • Current Dil F module view of the All tab of the Reagents screen. Two inverted bottles with keyed caps are loaded in the upper drawer to transition from an empty bottle to a full bottle without interruption. Module SN Displays the serial number of the selected module. Disabled host communication status. IAS1 mean Displays graphical data for the mean RBC IAS1 optical signal. Data flags do not always have impact on the result. No confidential relationship shall be established in the event that any user of the Information should make any oral, written or electronic response to Abbott Laboratories (such as feedback questions, comments, suggestions, ideas, etc.). HCT Displays graphical data for the percentage of hematocrit. Validation, Verification, and Quality Assurance of Automated Hematology Analyzers; Approved Standard-Second Edition. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 225 Installation procedures and special requirements System configuration Section 2 5. Edit User Navigates to the Edit User screen. Operations manual use, page 38 Access the related information in a topic. Reagent bottles are inverted and installed in bottle holders. Build Date/Time Displays the build date and time of the version. Test Displays the name of the test type that was ordered. Required instrument status Offline, Stopped, or Idle Perform this procedure to power on the module. Limit/Delta Check screen, page 212 Create Limit/Delta Check screen, page 212 Create Limit/Delta Check screen, page 212 Create Limit/Delta Check screen, page 200 Edit the limit and delta check screen, page 212 Create Limit/Delta Check screen, page 200 Edit the limit and delta check screen, page 200 Edit the limit and delta check screen, page 212 Create Limit/Delta Check screen, page 200 Edit the limit and delta check screen, page 200 Edit the limit and delta level Supervisor Perform this procedure to edit the limit and delta check settings. Procedure Map button 4. Therefore, the AC power to the 24 VDC main power supply and embedded computer is removed. The bottle holder contains a mechanism that pierces the reagent bottle septum when the bottle is installed. Although rare. Required consumables page 91 Controls (Alinity hq), page 100 Calibrators (Alinity hq), page 100 Waste container (Alinity hq), page 100 Supply and waste inventory management, page 403 Controls (Alinity hq), page 100 Displays elements that are used to enter an operator ID or to display the identification of the previously viewed screen or flyout. Tap Edit QC File. Scatterplots 286 Scatterplots are graphs in which event data is represented on a twodimensional x-y plot. The first 10 and last 10 sample readings are discarded. To save the edits to the LAS communication settings, tap Save/Test. Moving Average Setup screen, page 230 Configure screen, Maintenance and Diagnostics tab of the Configure screen Install/Uninstall M&Ds • Install new or revised maintenance and diagnostic procedure files. Symbology The following symbologies can be used on the Alinity h-series: • Standard Code 39 • Codabar • Interleaved 2 of 5 • Code 128 (Subsets A, B, and C) NOTE: All compatible symbologies have character self-checking. Module (Alinity hq), page 54 Module (Alinity hs) The Alinity hs module provides automated blood specimens. User Profile screen, page 126 Bar Codes screen On the Bar Codes screen, the operator can view the configuration settings for each bar code type. The X-B elements, page 81 Printers screen, Print flyout element descriptions On the Printers screen, the Print flyout displays a verification report that can be printed. New Carryover study for whole blood specimens Prerequisite Disable the inflow of racks for the module on the Rack Transport flyout. Configure screen, Maintenance and Diagnostics tab, page 235 Install/Uninstall Procedures screen, Available Files tab element descriptions, page 235 Install/Uninstall Procedures screen, Available Files tab element descriptions, page 237 Install/Uninstall Procedures screen, Available Files tab element descriptions, page 238 Install/Uninstall Procedures screen, Available Files tab element descriptions, page 237 Install Procedures screen, Available Files tab element descriptions, page 238 Install/Uninstall Procedures screen, Available Files tab element descriptions, page 237 Install Procedures screen, Available Files tab element descriptions, page 238 Install/Uninstall Procedures screen, Available Files tab element descriptions, page 238 Install/Uninstall
Procedures screen, Available Files tab element descriptions, page 238 Install/Uninstall Procedures screen, Available Files tab element descriptions, page 238 Install/Uninstall Procedures screen, Available Files tab element descriptions, page 238 Install/Uninstall Procedures screen, Available Files tab element descriptions, page 238 Install/Uninstall Procedures screen, Available Files tab element descriptions, page 238 Install/Uninstall Procedures screen, Available Files tab element descriptions, page 238 Install/Uninstall Procedures screen, Available Files tab element descriptions, page 238 Install/Uninstall Procedures screen, Available Files tab element descriptions, page 238 Install/Uninstall Procedures screen, Available Files tab element descriptions, page 238 Install/Uninstall Procedures screen, Available Files tab element descriptions, page 238 Install/Uninstall Procedures screen, Available Files tab element descriptions, page 238 Install/Uninstall Procedures screen, Available Files tab element descriptions, page 238 Install/Uninstall Procedures descriptions The Available Files tab displays all procedure files that are available for installation on the system or on a USB flash drive. • Configure acceptance ranges, target values, and action limits for Moving Average programs. The software and manual were developed solely for use with the Alinity h-series as specified in the operating instructions. Module (Alinity hq), page 54 62 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Use or function Alinity hq module, the sample handler robot transports closed-tube specimens throughout a module in the following sequence: 1. WBC Displays the WBC results of a carryover run. Cells that are present in the sample dilution pass single file through a focused laser beam. Not replaceable by the operator. Harmonized symbols Directive 2002/96/EC Symbol Description WEEE: Waste Electrical and Electronic Equipment NOTE: Indicates that the item needs to be disposed of in a separate waste collection for electrical and electronic equipment and must not be disposed of in the general waste or trash. Host Connection Status/Queue flyout, the operator can view a print job. Edit File Navigates to the Edit File screen. The system administrator can perform the following functions: • Configure host interface settings. On the Results tab of the Configure screen, tap Patient Rules. Be sure that the two reports do not contain truncations, missing or cutoff borders, or any loss of information. The module can be started or reinitialized from either the SCC or the LUI. SID Displays the sample identification number for each run. MCHC Mean cell hemoglobin concentration. System documentation, page 25 Procedure map task lists are topics that are accessed from the procedure map task lists are topics. Green The status of the host communication is indicated by the following button colors: Green The status of the host communication is indicated by the following button colors: Green The status of the host communication is indicated by the following button colors: Green The status of the host communication is indicated by the following button colors: Green The status of the host communication is indicated by the following button colors: Green The status of the host communication is indicated by the following button colors: Green The status of the host communication is indicated by the following button colors: Green The status of the host communication is indicated by the following button colors: Green The status of the host communication is indicated by the following button colors: Green The status of the host communication is indicated by the following button colors: Green The status of the host communication is indicated by the following button colors: Green The status of the host communication is indicated by the following button colors: Green The status of the host communication is indicated by the following button colors: Green The status of the host communication is indicated by the following button colors: Green The status of the host communication is indicated by the following button colors: Green The status of the host communication is indicated by the following button colors: Green The status of the host communication is indicated by the following button colors: Green The status of the host communication is indicated by the following button concentration is indicated by the follo system is communicating with the host and detects no errors. Topic pane scroll bar Related information... Report Graph Selection area. Summary tab, WBC tab, RBC/PLT tab, RETIC tab A sample QC result is displayed at the top of the screen that adds columns as demographics and parameters are selected for the QC results. System documentation Troubleshooting: Provides access to procedures used to configure and view settings for the system. assays, quality control, and calibration: Provides access to procedures used to calibrate assays Related information... The status of the quality control is indicated by the following colors: Green The last rack of QC samples completed processing and all control results are within the acceptable range. Power on the SCC. Alinity h-series Operations Manual (Help) Displays the online Alinity h-series Operations Manual. • If the CV% for a parameter is greater than the precision specification, troubleshoot to identify the cause of the imprecision. The status of the most recent two sealed batches is indicated by the following colors: Green All parameter means for the sealed batches are within the target range. LAS Communication screen, page 177 Shortcuts screen, the operator can view the following information: • Configured menu bar shortcut icons • Available shortcut icon options The system administrator can configure two shortcuts as icons on the menu bar. Module Displays the module name and module name releases the top from the bottle holder to remove and replace the bottle. Be sure to maintain an adequate inventory of required consumables. Install/Uninstall procedure screen, page 235 Uninstall procedure files. Status Displays the current status of the carryover file. Elements Tests Remaining Displays the maximum number of tests that can be performed with the current reagents on the module. Parameters in the userconfigured units for the specified Moving Average program: • MCV • MCH • h-series Operations Manual 80000023-107 - 2019-09-03 Installation procedures and special requirements System configuration Section 2 • % M • % E • % B • % IG • NEU • LYM • MONO • EOS • BASO • IG • RBC • RDW • HGB • HCT • PLT • MPV • RETIC • % R • IRF Acceptance Range Lower Displays a text box that is used to enter the acceptance Ratio (wide to narrow bar) Minimum ratio: 2:1 Maximum ratio: 3:1 Sample bar code label length The maximum label length is 51 mm (2.0 in) for a 75 mm (2.95 in.) range lower for the specified parameter. First Name Displays the first name of the user. 85 Required consumables... sample tube. mononuclear A descriptor for a subcategory of white blood cells that have unsegmented nuclei. Optical WBC tab 896 LYM ALL mean Displays the mean LYM ALL optical signal. 17 Alinity h-series agency approvals.. 19 Intellectual Property • Copy from another QC file. Therefore, IAS can be used to measure cellular complexity for WBC. %IG Displays graphical data for the percentage of immature granulocyte. lysis The ..20 Key to symbols. statement alteration or destruction of a cell by the action of a cell membrane. Moving Average Setup • Enable or disable Moving Average programs. In the first buffer bath, a percentage of stain may be configured to be added. 17. The Alinity hq module transfers the Retic dilution from the RBC incubation cup to the optical flow cell nozzle WBC tab 900 WBC Displays graphical data for the white blood cell count per volume. Data analysis and presentation (Alinity hq) reports parameters according to the following conventions: • Parameter report units are presented in exponential units. Read me first, page 11 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 13 Customer service For questions about the Alinity h-series, contact information at abbottdiagnostics.com. Alert Center Notification badge The amber circle (notification badge) navigates to the Notifications tab in the Alert Center flyout. Module (Alinity hq), page 54 Lane status indicators (Alinity hq) Status indicators are located above each lane. 830 Printer observed problems..... . On the Home screen, tap Start. laminar flow Fluid movement that is characterized by nonmixing and nonturbulence. Content is intended for healthcare professionals only. Move Tab Left Moves the active tab one position to the left. Data flags (Alinity hs) The Alinity hs) The Alinity hs The Alinity hs and the active tab one position to the left. Data flags (Alinity hs) The Alinity hs and the active tab one position to the left. Data flags (Alinity hs) The Alinity hs and the active tab one position to the left. Data flags (Alinity hs) The Alinity hs and the active tab one position to the left. Data flags (Alinity hs) The Alinity hs and the active tab one position to the left. Data flags (Alinity hs) The Alinity hs and the active tab one position to the left. Data flags (Alinity hs) The Alinity hs and the active tab one position to the left. Data flags (Alinity hs) The Alinity hs and the active tab one position to the left. Data flags (Alinity hs) The Alinity hs and the active tab one position to the left. Data flags (Alinity hs) The Alinity hs and the active tab one position to the left. Data flags (Alinity hs) The Alinity hs and the active tab one position to the left. Data flags (Alinity hs) The Alinity hs and the active tab one position to the left. Data flags (Alinity hs) The Alinity hs and the active tab one position to the left. Data flags (Alinity hs) The Alinity hs and the active tab one position to the left. Data flags (Alinity hs) The Alinity hs and the active tab one
position to the left. Data flags (Alinity hs) The Alinity hs and the active tab one position to the left. Data flags (Alinity hs) The Alinity hs and the active tab one position to the active tab one position to the left. Data flags (Alinity hs) The Alinity hs and the active tab one position to the active tab one position tab one positio module creates and stains smears from whole blood samples in addition to staining externally prepared smears for morphologic review. Data analysis for absorption measurements (Alinity hq), page 285 Data analysis for absorption spectrophotometry measurements is used to calculate the hemoglobin concentration: 1. To return to the default protocol 3 or WG Protocol 3 or WG Protocol 3, tap Reset Protocol. To save the audio settings and return to the Configure screen, tap Done. Flow cytometry (Alinity hq), page 275 Light scatter principles (Alinity hq) Light scatter occurs when laser light hits a cell and changes direction. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Operating instructions Log On screen Section 5 If the system is configured for a password-controlled logon, the challenge ID and password must be configured before the passwordcontrolled logon is used. The Summary tab is also available on the Supplies screen. The HGB result is invalidated if the difference is greater Alinity h-series Operations Manual 80000023-107 - 2019-09-03 301 Principles of operation (Alinity hq) Morphological flag Display name Section 3 Description than 20 g/L and is made suspect if the difference is from 14 g/L to 20 g/L. The lower reagent drawer. Function buttons 368 Exit Displays a messagent drawer. requesting confirmation to exit the software application on the System Control Center. It is highly recommended that both the left and the right incubation blocks are used for patient testing. SI Modified unit format to all whole blood parameters. Variant lymphocytes are included in the lymphocyte count. Tap Delete Rule. WG Protocol 5, WG Protocol 6, and WG Protocol 6, and WG Protocol 6, and WG Protocol 7 are the custom stain. To delete the edits to the tab name, tap Cancel. IAS1 mean Displays the mean RETIC IAS1 optical signal. Result Summary Views screen, page 186 Result Details Settings screen On the Result Details screen, the supervisor can perform the following functions: • Configuration of the current tab from an existing patient limit set configuration. The status . Tap Install. • Review the Moving Average programs and the Summary tab of the Results screen to see includes file integrity and file installation success or failure. 15 Proprietary statement.. ..16 Disclaimers.. if patient samples exhibit a similar trend or shift. Open-tube sampling position: Provides a location for an open-tube rack in preparation for sample aspiration. The data from the measurement subsystems is processed and is displayed on the SCC. Re-enter PIN Displays a text box that is used to reenter the four-digit personal identification number of the new user. • Enable and disable individual Moving Average programs, L/R Block Displays the block used to perform a carryover run within the run data. IAS1 mean Displays the block used to perform a carryover run within the run data. themes of other users. When the Automatically Perform Backup check box is selected, seven daily automatic backups and four weekly automatic backups and four weekly automatic backups are saved to external media. PyloriComplications from infection include developing ulcers because of the damage that H. Operations manual use, page 38 38 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Operations manual use System documentation Display and use the procedure to view a list of procedure map Perform this procedure to view a list of procedure to view a list o labels: three high labels and three low labels • Three tubes of whole blood specimens that have high concentrations of WBC, RBC, HGB, PLT, and RETIC 262 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Installation procedures and special requirements Utilities screen Section 2 • Three tubes of whole blood specimens that have low concentrations of WBC, RBC, HGB, PLT, and RETIC • USB flash drive Perform this procedure to perform a carryover study for whole blood specimens. The 530 nm light signal is labeled as FL1 and is detected by a photomultiplier transistor on the optical bench. Text Size Increases or decreases the size of text displayed. Health Level Seven International An organization that develops standards for the exchange of information between medical applications. In the WBC incubation cup, 980 µL of WBC Reagent is added to the sample for a final dilution of 1:35. • Configure the system language and the online help language. Reference and statistics area Target Value Displays the target value of a parameter for the sealed batch. Drop-down lists Display a list from which to select one item. Configure screen, General tab, page 129 128 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Installation procedures and special requirements System configuration Section 2 Configure bar code settings, page 130 Bar Codes screen, tap Waste Setup. Under Display on the User Profile screen, tap an option in the Theme area. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 77 Use or function Alinity h-series hardware overview Section 1 Figure 31: Water purification system (WPS) Related information... Manufacturer or Authorized Representative: Abbott Germany. This website contains general information... Manufacturer or Authorized Representative: Abbott Germany. This website contains general information... Manufacturer or Authorized Representative: Abbott Germany. This website contains general information... Manufacturer or Authorized Representative: Abbott Germany. This website contains general information... Manufacturer or Authorized Representative: Abbott Germany. This website contains general information... Manufacturer or Authorized Representative: Abbott Germany. This website contains general information... Manufacturer or Authorized Representative: Abbott Germany. This website contains general information... Manufacturer or Authorized Representative: Abbott Germany. Manual 80000023-107 - 2019-09-03 119 Installation procedures and special requirements System configuration Section 2 Related information... To enable use of the Leukopenia Smear Case 2 (or both), tap the Is Enabled check box under the appropriate name. 513 Calibration screen (Alinity . Printers with resolutions that are less than 600 DPI are not recommended to produce labels that have a 5.0 mil density (narrow bar width). Your PIN (the current four-digit PIN of the logged-on system administrator or user) b. System Information area System Name Displays a box that is ha). used to edit the system name. Installation procedures and special requirements, page 113 System installation, page 114 System relocation, page 114 System relocation, page 114 System installation of the Alinity h-series, an Abbott Laboratories representative confirms that the site is prepared. Automatic Backup Configure automatic backup options. Left shift Left Shift Indicates the presence of increased numbers of band neutrophils. • Create patient test orders. For each event, the exact time when it occurred is recorded. Avoid eye exposure to light. The appropriate maintenance of a bar code printer is essential. Lookup Displays a button that displays the Lookup Criteria flyout. • Change a personal user PIN. If Parameter is selected in the Criteria drop-down list, perform the following steps: a. The Previous Folder button navigates to the previously selected folder. %rP Displays the percentage of reticulated platelet. A study1 by Dr. Brian Bull collected data from 1767 patients and yielded the following mean values for the red cell indices: • MCV = 89.9 fL • MCH = 30.5 pg • MCHC = 33.9 g/dL 888 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Quality control (Alinity hq) Section 11 These values confirmed other data that Dr. Bull published in an earlier study2. If no result is generated or if any numerical result has a status of Invalid, repeating the measurement is recommended to attempt to eliminate the flag. It also can be used to seek a specific location in an animation and to switch to a full-screen display. SCC Internal fuses only. To display a procedure, tap the procedure, tap the procedure, tap the procedure of the flag. It also can be used to seek a specific location in an animation and to switch to a full-screen display. reagent drawer by using the LUI, page 399 HGB Reagent (Alinity hg) Major functions of the HGB Reagent include: • Acts as a lysing agent in the hemoglobin dilution by destroying red blood cell membranes. The results in individual laboratories may vary from these results. Add Rule Adds the new patient rule to the list of configured patient rules. Information area Module image Displays the module type, the module name (if configured), the module number, and the current status of the module. • Manage user PINs. User Profile • Configure a personal display theme. NOTE: Topic breadcrumbs display associated topic content. On the Results tab of the Configure a personal display theme. Displays the date and time that the user profile was created. 546 Requirements for handling the specimens... . IMPORTANT: Contact the host computer vendor to verify if the host computer handles special characters (if used in SIDs) as characters rather than functions. The rules may be used separately or in the displayed report are identical. Patient Rules screen, page 212 Descriptions of screen elements, page 81 Configure patient rules. • Uninstall maintenance and diagnostic procedure files. Two consecutive batches include both the left incubation block and the right incubation block sealed batches. NEU PSS mean Displays the mean NEU PSS optical signal. Required accessories, page 462 Laboratory automation system
(LAS) racks are accessories used in the LAS mode of operations only to allow automatic transportation of the closed-tube specimens from the LAS tracking system through the interface module (IM) to an Alinity hq module for sample processing. Alinity hq module for sample processing. Alinity hq module for sample processing system through the interface module (IM) to an Alinity hq module for sample processing. instruments, reagents, and supplies for all system modules. SEQ Displays the sequence number for each run. Elements Patient Rules Displays all configured patient rules for the patient limit set group. The files have a status of Not Completed, In Progress, or Completed. Home screen, page 369 Descriptions of screen elements, page 81 Descriptions of instrument statuses Instrument status refers to the operational modes of the system. The general status of Moving Average programs is displayed on the Home screen on the SCC. Laser light that is scattered by cells in the forward direction is collected by the forward scatter lens and is focused onto a detection block. On the QC Files screen, tap the row for the QC file to edit. B.S. Bull and K.L. Hay, "Are Red Blood Cell Indexes International?," Archives of Pathology and Laboratory Medicine 109 (1985): 604-606. The printed Data Matrix bar code contains all of the SID and can be read on an external bar code reader. 362 Procedures icon Navigates to the Maintenance tab or the In Process tab on the Procedures screen. Lane Status Navigates to the Lane Status screen. Tap Edit Printer. d. Summary tab, WBC tab, RBC/PLT tab, RETIC tab The Summary tab of the Precision Results screen displays the results for individual precision runs. To update the Target/Range, copy from another QC file or copy from current runs already saved for this file. On the Results screen, the flags are displayed as a white exclamation point with a light blue background next to the SID to indicate the results that need to be reviewed. • Set the number of slides for Leukopenia Smear Case 1 or Leukopenia Smear Case 2. Section 2 Remove the . Some of the mixtures may be hazardous to the operator under certain conditions. To delete the edits to the Westgard rule settings, tap Cancel. These results represent the typical performance achieved during clinical evaluation. Alinity h-series external media. 576 Procedures Log screen Operations Manual 80000023-107 - 2019-09-03 221 Installation procedures and special requirements System configuration Section 2 IG: Immature Granulocyte count per volume. Test Displays the test type of the carryover file. Edit QC File screen (Alinity hq), page 874 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 881 Quality control (Alinity hq) Control analysis (Alinity hq) Section 11 Control analysis (Alinity hq) The frequency of control runs must be determined by the laboratory. Reports screen, page 136 138 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Installation procedures and special requirements System configuration Section 2 Configure the report header Operator access level System administrator Perform this procedure to configure the settings for the report header. 334 Sample bar code label requirements..... . Rack Transport button Displays the Rack Transport Status flyout. 480 Test Runs screen (Alinity hg Supplies (Alinity hq), page 99 Calibration procedures, page 511 Waste container (Alinity hq) The Alinity hq waste container holds the external waste from the module and is supplied by Abbott. Last Update Displays the date and time of the last connection status update. The channel displays one of LUI). the following statuses: Connected, Connecting, Error, or Disabled. Smear-staining process (Alinity hs), page 309 System messages notify the operator of sample processing and integrity issues and conditions that require further review. Pneumatics Failure PAC4 The master pressure supply was outside the acceptable range during sample processing. The MCV is derived by taking the average IAS2 position of all red cells. Elements Module ID Displays the number of the module. Westgard Rules area Rule 1 through Rule 5 Displays a check box for each rule that is used to enable the rule for Westgard analysis. g/L 0.00 to 999. In the RBC incubation cup, 2125 µL of diluent is added to the sample for a final dilution of 1:250. Backup/Restore • Perform a manual backup. The SID can have a maximum of 20 alphanumeric characters, which are defined by Abbott Laboratories as A through Z, a throu PM button to configure the time of day. General safety information, page 12 System security, page 13 Customer service, page 14 Intended use, page 15 Proprietary statement, page 20 Key to symbols, page 21 Alinity h-series Operations Manual

80000023-107 - 2019-09-03 11 General safety information Read me first General safety information Before operating the Alinity h-series, you should read and understand the safety information in this manual. In the File drop-down list, tap the QC file that contains the information to copy. To save the edits to the general settings, tap Save. Escalator and cap piercer: The escalator moves the resuspended specimen tube into position. Function buttons Utilities Displays the name of the precision file. 378 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Operating instructions Home screen Section 5 Error No connection is established with the host because of a communication error. Move the main power switch to the OFF/O position on the modules. The volumes (sizes) of particles are estimated by using specific angles in the optical data collection that are sensitive to size. IAS3 mean Displays the mean RBC IAS3 optical signal. Required instrument status Stopped or Running Perform this procedure to shut down the module. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Operating instructions Home screen Section 5 Related information... Under Sender Channel, enter the following information... Under Sender channel, or to explain the disconnected LAS communication. The slides to print bar codes, to smear, and to dry smears in the sample loading robot. The system can be reconfigured at any time if necessary. Information area: Provides access to all module information and functions associated with the selected screen element. The tube is placed in an open-tube sample rack and is inserted in the loading area. The QC scheduler can be used for manual QC processing. Flagging Threshold screen, the supervisor can perform the following functions: • Access the Create Limit/Delta Check screen. 4. HL7 See Health Level Seven International, page 906. Set the action limits to 3% for the X-B program. Whole blood specimens with high target values were processed first, and then whole blood specimens with high target values were processed. Test Displays a drop-down list that is used to select one of the following tests: CBC+Diff Complete blood count with differential CBC+Diff+Retic Complete blood count with differential and reticulocyte Function buttons Done Saves changes and either displays the previously viewed screen or closes the flyout. General Settings operator access level System administrator, except where noted Perform this procedure to configure the general settings for the system. Flyout: Provides additional functions associated with the active screen. The representative unpacks, positions, and installs the system. currently in use. Principles of operation (Alinity hs), page 305 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 315 Principles of operations Manual 80000023-107 - 2019-09-03 Section 4 Performance characteristics and specifications Introduction Before operating the Alinity h-series, become familiar with system performance characteristics, throughput capabilities and capacities, specifications, and requirements for samples, temperature, waste, and clearance. 42 Use the glossary... If the precision study is performed with the same SID on a second Alinity hg module, repeat steps 1, page 253 through 10, page 253. • Configure Westgard rules for the system. 848 QC Results screen (Alinity hg)... ..852 Levey-Jennings (QC) screen (Alinity hg). ...856 Statistics Summary screen (Alinity 860 Create OC File screen (Alinity hg)861 Edit QC File screen (Alinity hq)... Retic test enabled on Displays the options that are used to run the Retic test after a next cycle power module restart: 156 Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Installation procedures and special requirements System configuration Section 2 • Enable • Disable This element is only available for Alinity hs. 839 Quality control program (Alinity hq)... HGB Reagent Displays the lot number of the HGB Reagent used to process the sample. Table 5: Morphology flag descriptions (Alinity hg) Morphological flag Display name Description Platelet clumps (aggregates). The software includes a moving average statistical formula that smooths and trims data to minimize the weight of outliers and that calculates a mean for each parameter. IMPORTANT: After a module is configured, cycle power to the module. Monitor: Displays the user interface of the Alinity h-series and accepts on-screen selections from the operator Keyboard: Provides a means to type information in boxes on the user interface Mouse: Provides another option to select icons and buttons on the user interface Computer: Provides the software interface to the system and provides an interface to a host or middleware computer during a power failure, which helps the operator to save data as necessary and to perform a controlled shutdown procedure Related information... Alinity h-series Operations Manual 80000023-107 - 2019-09-03 Installation procedures and special requirements System configuration Section 2 To delete the changes to the unit format settings, tap Cancel. Show Debris on Scattergram Displays the Enabled check box that is used to enable or disable debris to display on the graphs. Each open-tube rack has a tube hole on each end of the rack. pylori bacteria in their bodies, but never know it because it does not present with any symptoms. System configuration, page 219 QC Settings screen, page 227 Moving Average Setup screen, page 230 QC Result Data Views screen On the QC Result Data Views screen, the supervisor can perform the following functions: • Add or delete a tab. To save the edits to the tab name, tap Done. Measurement techniques (Alinity hq), page 285 Hemoglobin measurement process (Alinity hq) The following steps describe the hemoglobin measurement process: 1.375 Operating instructions Home screen Section 5 Initialization is being performed. Sealed Batches screen. We are dedicated to helping you achieve measurably better health care with our resourceful advocates, harmonized systems, and intelligent insights by providing you with the highest quality and most reliable instrumentation. At the right side of the navigation pane, slide the scroll bar to view the topic titles. 586 Maintenance scheduler... Result Summary Views screen, page 186 Result Summary Views screen element descriptions, page 187 QC Result Data Views screen element descriptions, page 220 Results screen element descriptions, page 481 QC screen element descriptions (Alinity h-series Operations Manual 80000023-107 - 2019-09-03 191 Installation procedures and special requirements System configuration Section 2 QC Files screen element descriptions (Alinity hg), page 849 QC Results screen element descriptions, page 852 Carryover Details screen element descriptions, page 852 Carryover Details screen element descriptions (Alinity hg), page 852 Carryover Details screen element descriptions), page 849 QC Results screen element descriptions, page 264 Add or delete a tab on the Results screen element descriptions (Alinity hg), page 852 Carryover Details screen element descriptions), page 852 Carryover Details screen element descriptions (Alinity hg), page 852 Carryover Details screen element descriptions), page 852 Carryover Details screen element descriptions (Alinity hg), page 852 Carryover Details screen element descriptions), page 852 Carryover Details screen element descriptions (Alinity hg), page 852 Carryover Details screen element descriptions), and requirements, page 323 Transport and storage No specific environmental conditions are present for the transport and storage of the Alinity h-series. • Data by incubation block The operator can perform the following functions: 894 Alinity h-series. programs (Alinity hg) Section 11 • Access the Current Batch screen. In addition, topics that contain a search term in the title of the topic. The Alinity hs Slide Maker/Stainer module automates whole blood film preparation and staining and stains externally prepared whole blood smears. Alinity h-series Operations Manual 80000023-107 - 2019-09-03 259 Installation procedures and special requirements Utilities screen Section 2 Related information... • Data for each Moving Average program • Data by incubation block The operator can perform the following functions: • Access the Sealed Batches screen. Alinity hq local user interface (LUI) The following figure shows examples of the Alert Center flyout, status indicators, buttons, icons, and the System menu on the Alinity hq LUI. QC file name. NR/W: Nucleated Red Displays the NRBCs per 100 WBCs. Blood Cells as a percent of WBC NRBC: Nucleated Red Displays the nucleated red blood cell count per volume. The topic content may contain navigation elements (for example, hypertext and image maps) and multimedia. MSH-4 Sending Facility Displays a text box that is used to enter the MSH-4 Sending Facility for HL7 host messaging for a maximum of 20 alphanumeric characters. • Primes the WBC tubing. Clinical and Laboratory Standards (CLSI/NCCLS). Required consumables, page 91 Replace a reagent drawer by using the LUI, page 397 Reagents (Alinity hg) Reagents are solutions that are used in system operation and sample processing.

30/03/2016 · Cobas 8000 Modular Analyzer Series: 8/16/2017: See Attachment: OPM-0140: Roche Diagnostics Corporation: Cobas 8100 Automated Work Flow Series: 1/8/2015: See Attachment: OPM-0141: Natus Medical, Inc. Olympic 43 Drier, 44 Drier and Pasteurmatic 300/3500: 2/3/2015: See Attachment: OPM-0142: Abbott Laboratories: Sapphire and SMS ...

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