**Purpose**

To provide instructions for the use of the TANGO analyzer and understand the software functions.

**Policy**

The TANGO Infinity® will be used to perform pretransfusion testing on patient specimens. In addition the instrument will be used to perform donor confirmation. All testing performed on instrument must have unique identification that is traceable to the patient information in Sunquest. Testing performed on the analyzer must be validated and released on the right patient with the right identifiers.

**Procedure:**

|  |  |  |
| --- | --- | --- |
| **Step** | **Action** | **Related Documents** |
|  | **General Statements**Assays that have been validated and acceptable to use: * ABO/Rh on patient and donor samples
* Antibody screen
* Antibody identification testing including autocontrol
 |  |
| **Touch Screen Monitor** |
| 1 | Touching the touch screen monitor with a finger or a blunt object such as a pencil eraser or cotton swab has the same effect as a mouse click. |  |
| 2 | Touch a button to execute a command. |  |
| 3 | Touch a text box to activate the box for input.* Touch the left of the screen about 2/3 of the way down to open the text box
* The cursor appears in the text box allowing data entry via the virtual On-Screen keyboard.
 |  |
| 4 | Deleting text* Highlight text by touching it. Then with the shift key depressed, touch the highlighted text box.
 |  |
| 5 | Touching a row in a selection list allows selection of a single row. |  |
| 6 | Touching a row twice in quick succession allows selection of the row and opens the next window. |  |
|  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

|  |  |  |
| --- | --- | --- |
| **Step** | **Action** | **Related Documents** |
| **Selection Lists** |
| 1 | In selection lists having column buttons (Daily Journal, Event Log List), several edit features are available.* Column headers are buttons that allow for sorting of data in that list.
* Touch a column button to sort the data in the selected column in ascending order.
* Touch and hold the vertical boundary line between the 2 columns to change the column width
* The cursor will change to a double headed arrow.
	+ Drag the double headed arrow the left or right as desired.
	+ Release when the column is the desired width.
* To hide a column, drag the boundary line until the column disappears.
* To show the column again, touch and hold the boundary line again and move until the column reappears.
* Using the arrow buttons allows for scrolling through selection lists or selects boxes covering several pages.
* A checkmark in the check mark box allows several rows to be selected
* A single arrow moves to the next row
* A double arrow goes to the next or previous page
* An arrow with a line selects the last or first row in the list
 |  |
| **Main Menu** |
| 1 | All menus and features of the TANGO can be selected in the Main Menu.* If you touch one of the menu buttons, the selection dialog showing the available submenu items appears on the left side of the screen.
 |  |
| 2 | There are several menu buttons* Start: Starts the test run. Follow with ‘OK’ if all resources are present.
* Samples and Controls: Opens the ‘Samples and Controls’ submenu.
* Maintenance: Opens the ‘Maintenance’ submenu.
* Definitions: Opens the ‘Definitions’ submenu
* Shutdown: Use to shut down or login to the TANGO software or log in as a different user.
 |  |
| 3 | The features of the analyzer are depicted as Analyzer Buttons in the center of the screen.* ‘Plates’ Button: Touch the button or load a plate into the plate loading station to open the ‘Plate Loading’ dialog.
* ‘Sample Bay’ Button: Touch this button or open the sample bay door to open the ‘Sample Loading’ dialog.
* ‘Reagent Bay’ Button: Touch this button or open the reagent bay door to open the ‘Reagent Loading’ dialog.
 |  |
| **Event Log** |
| 1 | Located in the bottom left corner of the screen. |  |
| 2 | The Event Log button shows the four most recent messages.* Touch this button to view the entire Event Log list
 |  |

|  |  |  |
| --- | --- | --- |
| **Step** | **Action** | **Related Documents** |
| **Pause Button** |
| 1 | Use this feature when adding or removing reagents during an active test run.* Instrument will automatically pause when reagent loading door is opened even if pause button is not touched
 |  |
| 2 | There is a one minute limit during entirety of testing when using this feature.* After 45 seconds a warning will sound.
* After one (1) minute, the run may be compromised.
 | TANGO Infinity: Initializing Test Runs |
| **Status Icons** |
| 1 | The System Status buttons are located in lower right hand corner of the screen. |  |
| 2 | The appropriate icon will flash red if the measured value is not within range or if the volume of the liquid containers reaches upper or lower limits. |  |
| 3 | The Status Bar at the bottom of the screen shows information about the analyzer status, LIS, Time basis, software version number, release date, current date, and time. |  |

**References**

TANGO Infinity® System User Manual, Version 1.2.1