1. Introduction

Welcome to RALS™ version 8.2.0 build #23.41.0412 This document details the new features, improvements, and fixes found in this product version. For information regarding the installation, features, functionality, and use of this product, please refer to the Resources section.

2. New Device Types

- Added support for i-STAT Alinity
  - Traumatic Brain Injury testing
  - Supports TBI plasma and TBI whole blood cartridges
  - Bidirectional communication

- Added support for the LumiraDX.
  - SARS-CoV-2 Antigen test
  - Connectivity via LumiraDX Connect Hub
  - Bidirectional communication

- Added Support for Sight Diagnostics OLO
  - CBC (Complete Blood Count) with 5-part differential
  - Bidirectional communication

3. New Features and Enhancements

- Added Configurable Device Driver
  - Provides the flexibility to connect devices that are not currently on the RALS device menu
  - Supports devices with HL7 or ASTM communication protocols
  - Uni-directional communication only

- Added support for secure connection for i-STAT DE server

- Added support for new MEDTOX*Scan*® test types:
  - 604032 (PROFILE-V 12)
  - 604031 (PROFILE-V 11)

- Added support for TLS (Transport Layer Security) authentication for Accu-chek® Inform II which was introduced with firmware 04.06.03

4. Customer Requested Enhancements

- End Users can manage Download Points when "Download Points Manage" is enabled for a Role.

- "Add Result" is now a Homepage Option which is especially useful for a Role that has Manual Test Entry permission.

- Connection Port fields throughout RALS no longer display thousands separators (for example Port 3,001 now displays as Port 3001).

- Added support for multiple filters for a single column. The following columns now offer multiple filter options from the column header:
  - Results – Sample Type
  - Devices – Download Time
  - Materials – Expiration Date
  - Tasks – Due Time
  - Download Points – Last Ping Time
  - Operators – Last Message
  - Operators – Device Type

5. System Requirements

- For existing customers remaining on an ARDx Informatics Provided Image (R70 platform) the following minimal requirements should be available to upgrade to this version of RALS:
  - C Drive must have at least 10 Gb of free space.
  - D Drive must have three times the size of the backup file.

- For customers implementing in a Customer Provided Environment the following minimal requirement should be available:
  - See [Specifications for Customer Provided Environments](#)

6. Supported Environments

- Supported Browsers:
  - Microsoft Edge
  - Google Chrome
  - Mozilla Firefox

7. Required Third Party Components

- No additional third-party components required. All components are installed on the RALS server as part of the product installation.

8. Bug Fixes

- MEDTOX*Scan* qualitative result values are now displayed correctly as qualitative result values instead of numeric values.

- GEM Premier 4000 and 5000 Device Operator ID is now limited to 16 characters which is the devices' maximum length.

- Improved Materials details page performance when multiple custom ranges exist for materials with many parameters.

- Validation message is now displayed (and prevents saving) when a Network Configuration has a device assigned to it and the device is assigned to an institution other than the Network Configuration's Institution.

- Internal server error does not occur when attempting to edit a Recertification Set assigned to one or more deactivated locations.

- Time pickers throughout the system now automatically update when the logged in user changes their time format preference.

- Haemonetics TEG 6S result values for AA ASA Aggregation and AA ASA Inhibition are now correctly displayed with 1 decimal place in the RALS User Interface.

- The LJ task ignores QC results that use materials with no lot numbers.

- Bad Request error no longer occurs when editing an eQuiz quiz with an Operator directly assigned and the Operator is assigned to an Institution other than the quiz's assigned Institution.

- Validation message is displayed (and prevents saving) when an Institution has a mismatch between the Patient ID Type and Sample ID Matching fields.

- LDAP sync request now requests Operators in batches to prevent excessive memory usage and failures.

9. Resources

www.rals.com

10. Contact Information

If you have any questions regarding this information, please contact Abbott Rapid Diagnostics Informatics at:

rals.support@abbott.com or **877-627-7257**