1. Introduction

Welcome to RALS™ version 8.1.0 build #23.40.0508 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 the Werfen GEM Premier ChemSTAT® rapid basic metabolic panel whole blood analyzer.
  - Direct network connection to RALS
  - Connection through GEMweb® Plus 500
  - Connection to Abbott hosted RALS systems via CONNECT Universal Gateway
  - Supports uploading Operator List

3. New Features and Enhancements

- Added support for the new i-STAT PT^{plus} Cartridge
- Updated MIRTH to version 4.4.1 to address critical vulnerability: CVE-2023-37679
- Updates and improvements to the upgrade process

4. Customer Requested Enhancements

- Added links to RALS Customer Support and RALS Academy websites within the User Interface

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.

- Specifications for Customer Provided Environment:
  - See document AI-CMINS0139 – Specifications for Customer Provided Environments:

https://ensur.invmed.com/ensur/contentAction.aspx?key=ensur.641517.S2R4E1A3.20230621.1926.4147517

6. Supported Environments

- Supported Browsers:
  - Microsoft Edge

- o Google Chrome
- o Mozilla Firefox
- o Internet Explorer is NOT supported

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**

- Customers can use GeneXpert Xpress devices using a mixture of POCT1a and HL7 interfaces without failures occurring.

- For GeneXpert Xpress, a short message delay was added after the operator list transmission to reduce the chance of a failed session.

- The RALS user interface now displays ABL800 cCrea result values with the expected two decimal places.

- When viewing details of a result, the result values tab is no longer limited to fifty displayed values; all values for a result are now displayed.

- Visual UA (urinalysis) Materials for Nova meters are uploaded to the device with blank test types rather than Chemstrip or Multistix test type.

- Large devices files (for example, epoc® operating system updates) can be added to RALS without error.

- The CPU (Central Processing Unit) cores check now counts all processor cores (virtual and physical) allocated to the RALS server even if they span multiple physical processors.

- MIG (Multi-Instrument Gateway) is now aware of RALS server reboots and properly closes active sockets to prevent disrupting device communications.

- Initial addition of device materials will use the server time zone rather than UTC (Universal Time Coordinated) to prevent incorrect control ranges being used for flagging of control results.

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**