	<p style="text-align: center;">External Release Notes Abbott Rapid Diagnostics (ARDx) Informatics</p>		<p>Template No. D10046630 Rev AB</p>
<p>Document Type:</p>	<p>FORM</p>	<p>Governing Document:</p>	<p>D10046589</p>

1. Introduction

Welcome to RALS version 7.1.3 build # 23.38.0335. 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 Features and Enhancements

- Added support for epoc® new GFRckd21 calculation
- Added support for Inform II firmware v04.06.00 and v04.06.03
- Added support for new Inform II OTE (Other Test Entry) tests:
 - Gastric pH
 - Vaginal pH
 - Ketone
- Support for 24-hour time format (Military Time)
- Added the ability for users to reset their RALS password. Email configuration must be set up and the user must have a valid email address within the operator's details.
- Replaced temporary "session" filters with persisted "system" filters
- Added more options to date range filters:
 - Year to Date
 - Previous Month
 - Previous Days
- Exposed Location Lists as columns. The following pages have new columns that can be added to the data table:
 - Operators – Device Access Locations, Institution Access
 - Materials – Locations
 - Recertification Sets – Locations
 - eQuiz Quizzes – Home Locations, Operators
 - eQuiz Questions – Used on Quizzes
 - Device Configurations – Locations
 - Evaluation Criteria – Locations
 - Flag Configurations – Locations
 - Patient Range Sets – Locations
 - Comment Sets – Locations
 - Outbound Configurations – Locations, Institutions
- eQuiz updates:
 - Updated System Views to filter for active quizzes
 - Added support for displaying assignments for deactivated quizzes
- Added the ability to Drag and Drop to reorder columns on data tables
- Added the option to attach a report PDF when emailing from the report's detail page
- Added checkboxes for within multi-select pickers


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- Added “Not Reviewed” System View for both Levey-Jennings and Linearity charting
- Granted “Access Logs Read” Permission to POCC Role
- All history pages now have a system display view filtered to the last 30 days
- Added the System Settings options to Role Management to include the following:

System Settings

- ☐ Database Settings Manage
- ☐ Database Settings Read
- ☐ E-mail Settings Manage
- ☐ E-mail Settings Read
- ☐ LDAP Settings Manage
- ☐ LDAP Settings Read
- ☐ Security Settings Manage
- ☐ Security Settings Read
- ☐ General Settings Read
- ☐ Interfacing Settings Read
- ☐ LMS Settings Read
- ☐ Purge Settings Read

- Added a Device Types page with read only access for RALS users. This page lists all device types and manual test entry options available and which ones are active for each institution.
- Added an Outbound Connections page with read only access for RALS users. This page lists the incoming and outbound configurations in use along with the port number and Host IP address.
- Added a Respiratory Parameters page with Manage or Read Only access for RALS users. This page lists all of the respiratory parameters and allows users with permission to manage the system name and display name.
- Added a Specimen Sites page with Manage or Read Only access for RALS user. This page lists the specimen sites and allows user with Manage permission to add new specimen sites and edit existing specimen sites.
- Added a Specimen Type page with Manage or Read Only access for RALS users. This page lists the specimen types and allows user with Manage permission to add new specimen types and edit existing specimen types.
- Added read only access to HL7 logs in Role Management
- Browser blacklisting – RALS explicitly blocks only the Internet Explorer browser

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3. System Requirements

The following minimal requirements should be available on an RCS (RALS Core Server) platform to upgrade to this version of RALS.

- C Drive must have at least 10 Gb of free space.
- D Drive must have 3 times the size of the backup file, plus the allocated size of any database that was not part of the version being upgraded (old version).

Database	Allocated Size (GB)	Version Introduced	Purpose
RALS	3.5	Initial Release	General Data
MIG	10	5.7	Session Logging
Mirth	3.5	5.9	HL7 Inbound and HL7 Outbound Interfacing
HL7inMsg	3.5	5.9	HL7 Inbound Interfacing
History	3.5	5.17	Change Logging
LDAP	3.0	6.0 SP7	LDAP Interface and Sessions
LMS	3.0	6.0	LMS logging
Logs	3.0	6.0 SP3	Support Logs


4. Supported Environments

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

Internet Explorer is NOT supported
- Supported Platforms:
 - Microsoft Windows Server 2008 (R50)
 - Microsoft Windows Server 2012 (R60)
 - Microsoft Windows Server 2016 (R70)


5. Required Third Party Components

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


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6. Bug Fixes

- Inform II wireless configurations now support TTLS EAP.
- Operators can add manual test results using comments from default comments sets without receiving a 'Bad Request' error.
- RALS can now evaluate results using a RALS patient range set with a name containing more than 20 characters and not receive 'Bad Request' error.
- Corrected an issue where results were incorrectly returned to the 'Evaluate' status when using the 'Release Most Recent Repeat' option and the only flags on the result were range related.
- RALS is now able to recognize Cepheid results with test types of "Xpert Xpress_SARS-CoV-2_Flu" and "Xpert Xpress CoV-2 plus".
- Corrected an issue where printing results with a lot of historical data was causing RALS to perform poorly.
- Operators with only the Result Add permission are now able to enter Sample IDs during manual test entry without error.
- Corrected an error in the i-STAT Service when the DE server sent an i-STAT result to RALS while at least two materials existed in the RALS database that only differed by leading or trailing whitespace.
- Checkboxes are now correctly aligned on the bulk edit general dialog on the operator's data table.
- Clicking a dashboard widget now always navigates to the correct view associated with the widget.
- There is now a print button on the report PDF on the report details page.
- RALS is no longer generating unnecessary failed sessions for the Clinitek Status.

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- The Signature Elite Materials Details Page no longer gets into a state where it was continuously switching back and forth between two tabs.
- Duplicate epoc files can no longer be uploaded to RALS.
- Adding or editing Abbott Glucose device configurations when the 'time of day' was used as QC interval no longer generates a 'Bad Request' error.
- Sample ID hint text (used for positive patient identification for patient results) is no longer displaying for non-patient results.
- The operator ID limits for the Sofia device type have been updated to allow alphanumeric characters.
- When RALS automatically added Sofia 2 calibration materials, the expiration date was incorrectly being set to 30-DEC-1899. RALS now automatically adds Sofia 2 calibration materials with the expiration date set to the current date.
- Nova StatStrip Levey-Jennings charts no longer fail to generate if they contained at least one result with an undefined control ID.
- QC Test Results report criteria now uses the correct component for filtering on a specific control level.
- Roche has begun reusing historical lot numbers for Roche Coagulation devices and this was preventing RALS users from adding new lot numbers. Now, when an expired material exists and a new material is received using the same lot but with different code key data, then the expired material's lot is updated (appended with an underscore and its database key), and the new lot is automatically added to RALS.
- Users can now export thousands of results at one time without causing poor RALS performance.

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- Viewing of very large results data table was causing RALS to become unresponsive. RALS is now utilizing virtual scrolling, therefore greatly improving performance of large data table viewing.

7. Resources

www.rals.com

8. 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**