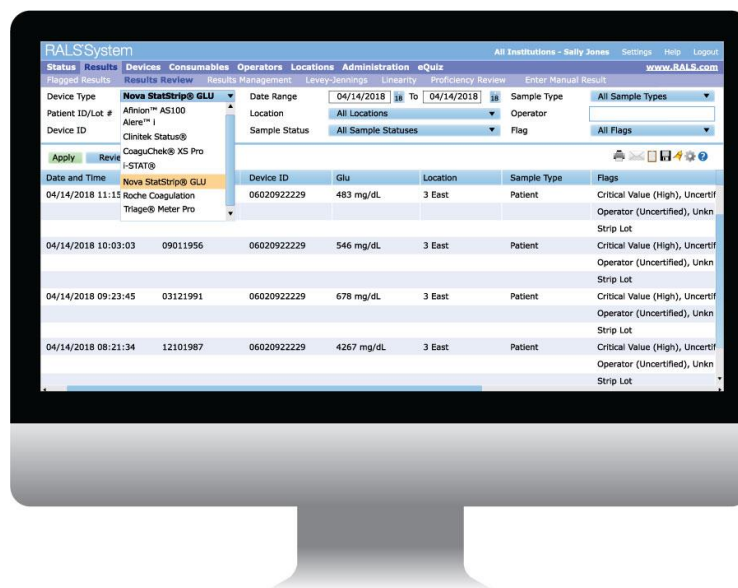




# Customer Release Notes



## Version 6.0 SP5

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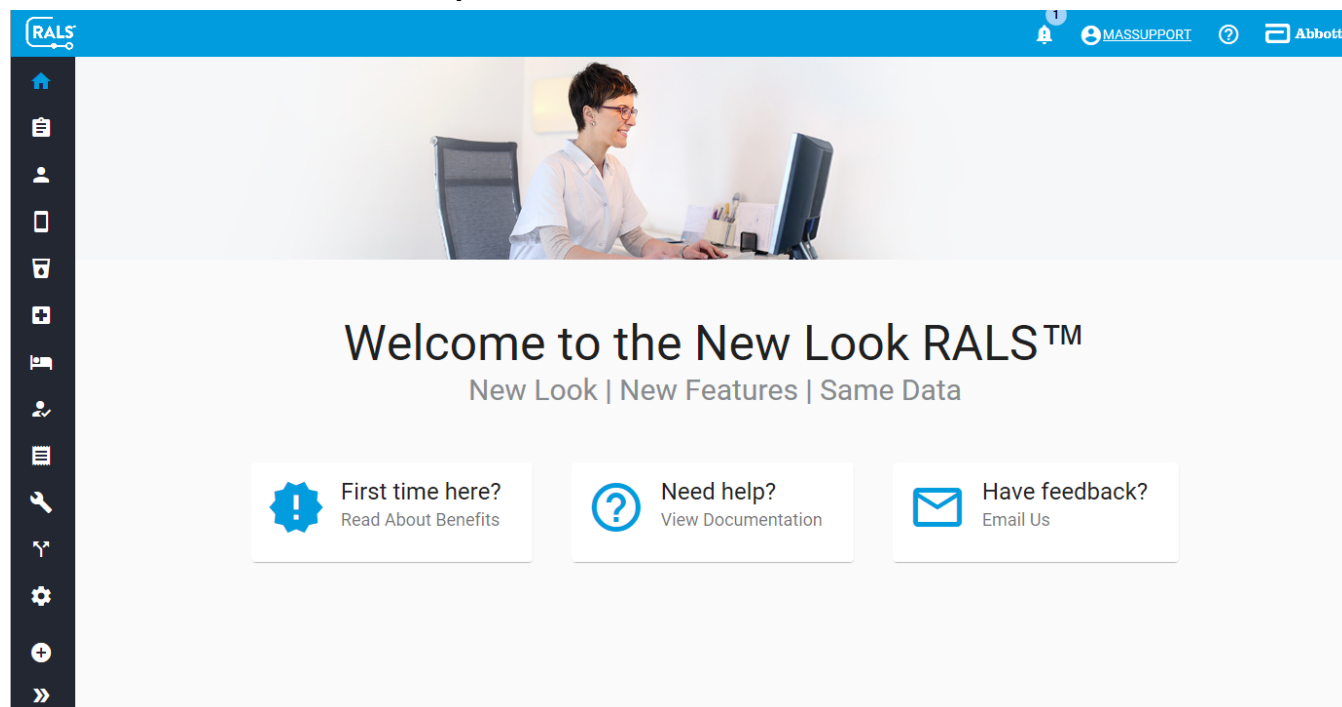
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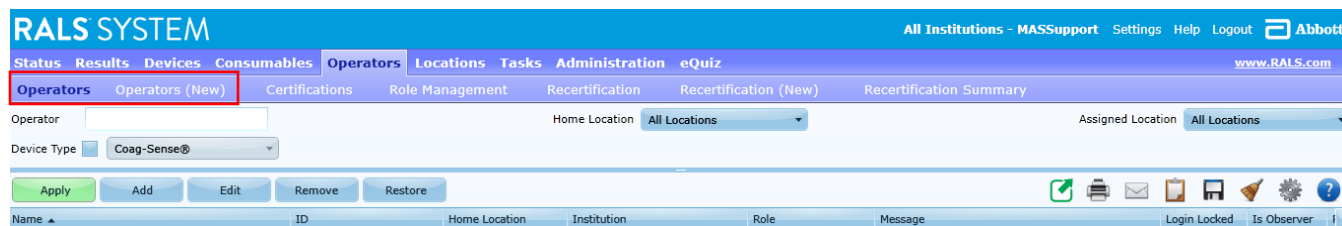


## RALS™ System Updates

### RALS™ New User Interface Updates




Integration of the new look began being phased into the current RALS™ system user interface beginning with version 6.0. Starting with RALS™ 6.0 and higher you are able to use the new pages, if enabled, right alongside your existing pages such as operators, devices, and more. Additional pages have and will continue to be available as we release new Service Packs.



The new user interface is also available by logging into the new available pages directly by adding “/RALs/” to the end of the IP address used to access your RALS™ System (123.45.67.89/RALS/).

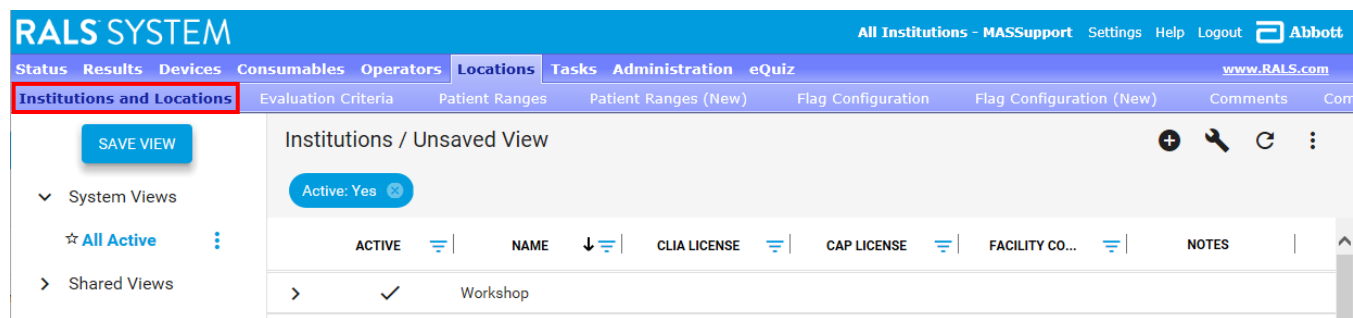


Once logged into the new UI, navigate to the Help icon  in the upper right corner of the screen. In the navigation panel on the left side of the screen, select “Using RALS” to learn more about how to use the new User Interface.

The first thing you'll notice about the new look of the RALS™ System is the refreshed look and feel. We are creating a simple and modern user interface that makes the power of the RALS™ System more user-friendly. The underlying data in the RALS™ System is the same, but the new user interface provides better access to it. Data is being consolidated into fewer pages with more filter options. Previously, you were limited to viewing data for one device type at a time and had minimal flexibility when working with data across institutions. These restrictions have been removed, and the new user interface provides the ability to view more data on a page with granular control over the filter options.

Edit Logs are being replaced by new, more thorough history functionality. As we roll out parts of the new user interface, the RALS™ System will begin capturing most data changes. This historical data will provide a more complete audit trail, and the new user interface will make the data more accessible and easier to review.

Beginning with RALS™ 6.0 SP5 the Evaluation Criteria as well as the Locations and Institution pages will now only be available in the new user interface format. These pages will be accessible in either the embedded view, shown below, or when logged directly into the new user interface.



The screenshot displays the RALS SYSTEM interface. The top navigation bar includes links for All Institutions, MASSupport, Settings, Help, Logout, and the Abbott logo. Below this, a secondary navigation bar lists various system functions. The 'Institutions and Locations' section is highlighted in the left sidebar. The main content area shows a table of institutions, with one entry 'Workshop' visible under the 'NAME' column.

**NOTE:** The following instructions apply to a non-embedded view of RALS New UI. If using the current Silverlight embedded view, you will not see the navigation menu on the left.

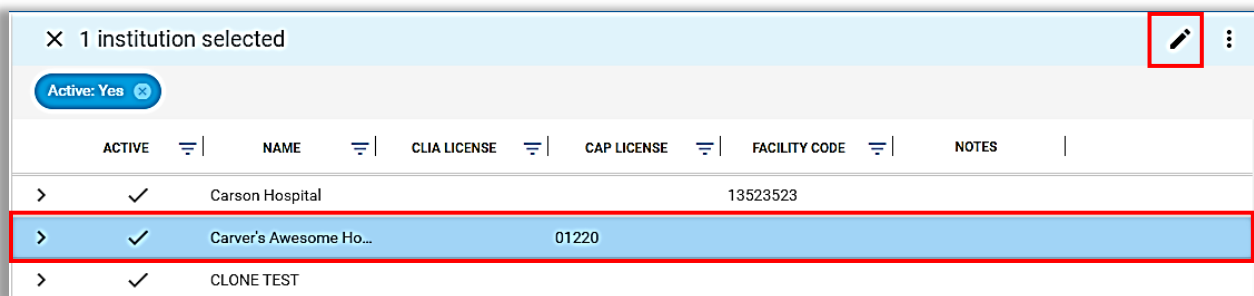


## NEW UI How to Add an Institution

- Institutions can only be added by RALS support.

## NEW UI How to Edit an Institution

- Select the desired Institution by clicking on the row to highlight (blue) and then click on the Edit icon in the upper right corner
- You can also right click on the desired row and select “edit”
- You can also double left click on the selected row:



X 1 institution selected						
Active: Yes						
ACTIVE		NAME	CLIA LICENSE	CAP LICENSE	FACILITY CODE	NOTES
>	✓	Carson Hospital			13523523	
>	✓	Carver's Awesome Ho...		01220		
>	✓	CLONE TEST				

- All fields can be edited EXCEPT institution NAME (only RALS Support can edit Institution Name).
- Edit information for the following cards:

### General:

#### General

Name

Carver's Awesome Hospital

Address

135 Hospital Dr.  
Somewhere, MA USA 99123

CLIA License

CLIA #123456789

CAP License

CAP #01220



- **Name:** Unable to edit
- **Address:** Optional Field. User can enter the street address of the hospital or clinic.
- **CLIA License:** Optional field. Users can enter their CLIA License number in this field.
- **CAP License:** Optional Field. Users can enter their CAP License number in this field.

#### Aliases (For Use by Interface ONLY):

A screenshot of a web form titled "Aliases". It contains two input fields. The first field is labeled "Facility Code" and has the text "1CAH" entered. The second field is labeled "LIS Name" and has the text "CAH" entered. Both fields have horizontal lines below them for additional input.

- **Facility Code:** Unique alpha numeric code used by the LIS/EMR to identify the institution. Usually added by the Interface Analyst.
- **LIS Name:** If required to be sent in the outbound message to the LIS/EMR, this will be the name of the institution as it appears in the LIS/EMR. Usually added by the Interface Analyst if required.

#### Personnel :


A screenshot of a web form titled "Personnel". It contains two input fields. The first field is labeled "Medical Director" and has the text "Dr. John Q. Public" entered. The second field is labeled "Clinician" and is currently empty. Both fields have horizontal lines below them for additional input.






- **Medical Director:** Optional Field. User can enter the name of the location's Medical Director in this field. The medical director of the laboratory is a qualified physician who is legally, morally, and ethically responsible for the scope, standards, and quality of service.
- **Clinician:** Optional Field. User can enter the name of the location's Clinician in this field. A Clinician is a doctor having direct contact with and responsibility for patients.

#### Notes:

A screenshot of a 'Notes' input field. It consists of a rectangular box with a light gray border. Inside the box, the word 'Notes' is written in a dark gray font at the top. Below it, there is a horizontal line, and the word 'Notes' is repeated in a smaller, lighter gray font. The bottom half of the box is empty, indicating a text area for input.

- Optional Field. User can enter any information about this Institution as needed.
- To save the new Institution click “**SAVE**” at the bottom or click the save icon  in the upper right corner.

#### NEW UI How to Add a Location:

- Navigate to the Locations page by clicking the Locations  icon from the menu on the left
- Once on the Locations Page, click on the Add  icon in the upper right-hand corner of the page.
- You can also click the add button in the menu on the left  and then select “Location”.

#### Enter information for the following fields:

##### General:



1 General	
Institution *	RALs Hospital
Name *	New Location 6
Address	
Phone	
CLIA License	
CAP License	

- **Institution:** **Required field.** User must select their Institution from the list provided in the drop-down.
- **Name:** **Required field.** User must name the location. Location names should indicate an actual location within the institution such as “ED” for Emergency Department or LD for Labor and Delivery. This field has a 20 character limit.
- **Address:** Optional Field. User can enter the address of the hospital or clinic where the location is located.
- **Phone:** Optional Field. Phone number of location.
- **CLIA License:** Optional field. Users can enter their CLIA License number in this field.
- **CAP License:** Optional Field. Users can enter their CAP License number in this field.
- Click “Next”

#### Aliases (For Use by Interface ONLY):

Aliases	
Facility Code	1CAH
LIS Name	CAH

- **Facility Code:** Unique alpha numeric code used by the LIS/EMR to identify the institution. Usually added by the Interface Analyst.
- **LIS Name:** If required to be sent in the outbound message to the LIS/EMR, this will be the name of the institution as it appears in the LIS/EMR. Usually added by the Interface Analyst if required.
- Click “Next” to continue




## Personnel:

A screenshot of a web form titled 'Personnel' with a blue header bar containing a '3' in a circle. The form has three input fields: 'Supervisor' with the text 'Barbara Smith (5084)', 'Medical Director', and 'Clinician'.

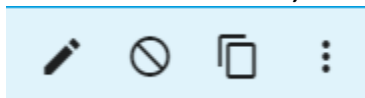
- **Supervisor:** Optional Field. User can enter the same of the location's supervisor in this field. A Supervisor's duties typically include scheduling staff, reordering supplies, and maintaining security standards.
- **Medical Director:** Optional Field. User can enter the name of the location's Medical Director in this field. The medical director of the laboratory is a qualified physician who is legally, morally, and ethically responsible for the scope, standards, and quality of service.
- **Clinician:** Optional Field. User can enter the name of the location's Clinician in this field. A Clinician is a doctor having direct contact with and responsibility for patients.
- Click "Next".

## Notes :

A screenshot of a web form titled 'Notes' with a blue header bar containing a '4' in a circle. The form has a large text area labeled 'Notes' and two buttons at the bottom: 'BACK' and 'SAVE'.

- Optional Field. User can enter any information about this location as needed.
- To save the new location click "SAVE" at the bottom or click the save icon  in the upper right corner.


## Locations can be edited, deactivated and cloned.

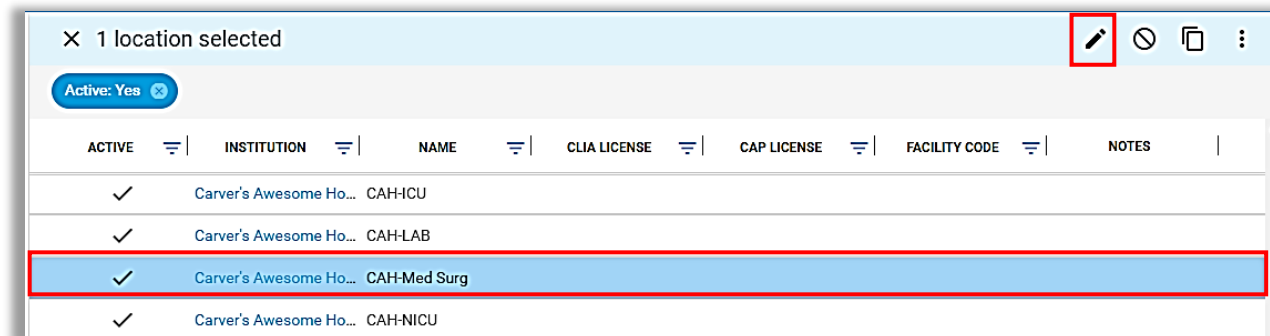






## NEW UI How to Edit a Location:

- Select the desired Location by clicking on the row to highlight (blue) and then click on the Edit icon  in the upper right corner:




× 1 location selected

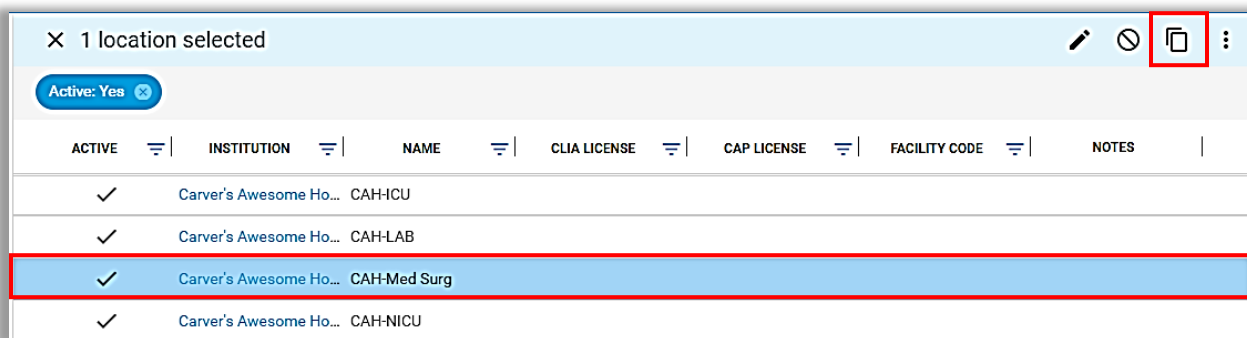
Active: Yes

ACTIVE	INSTITUTION	NAME	CLIA LICENSE	CAP LICENSE	FACILITY CODE	NOTES
✓	Carver's Awesome Ho...	CAH-ICU				
✓	Carver's Awesome Ho...	CAH-LAB				
✓	Carver's Awesome Ho...	CAH-Med Surg				
✓	Carver's Awesome Ho...	CAH-NICU				

- You can also double left click a desired row to edit or right click on the row and select “edit”.
- You will not be able to edit the Institution or Name, however all other optional fields may be edited.
- Click “SAVE” in the lower right corner to save the desired changes.

## NEW UI How to Clone a Location:

- Select the desired Location by clicking on the row to highlight (blue) and then click on the Copy icon  in the upper right corner, or select a row and right click to choose “Clone”:



× 1 location selected

Active: Yes

ACTIVE	INSTITUTION	NAME	CLIA LICENSE	CAP LICENSE	FACILITY CODE	NOTES
✓	Carver's Awesome Ho...	CAH-ICU				
✓	Carver's Awesome Ho...	CAH-LAB				
✓	Carver's Awesome Ho...	CAH-Med Surg				
✓	Carver's Awesome Ho...	CAH-NICU				


- All values will be automatically copied from the cloned location **except:**
  - Institution: **Required field**. User must select their Institution from the list provided in the drop-down.

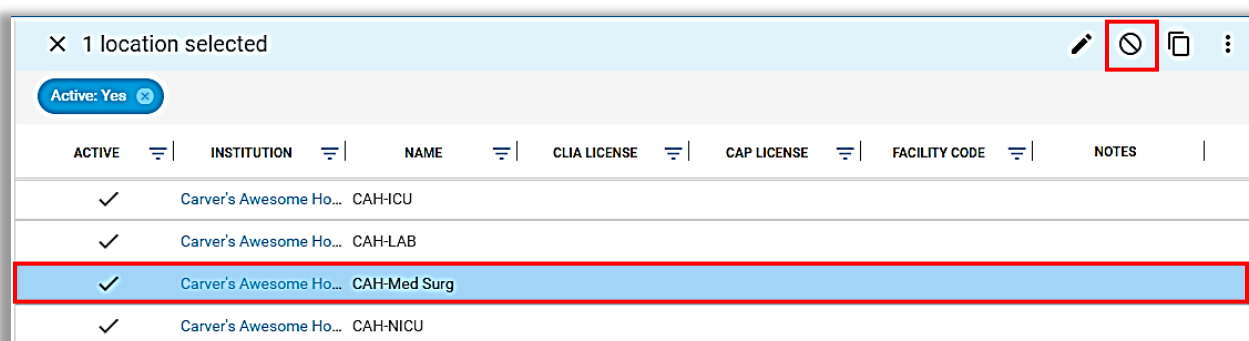


- Name: **Required field**. User must name the location. The location name must be unique. Location names should indicate an actual location within the institution such as “ED” for Emergency Department or LD for Labor and Delivery. This field has a 20 character limit.
- Supervisor: Optional Field.
- Click “Clone”. You can now edit any field **except** Institution and Name

## NE UI How to Deactivate Location(s):

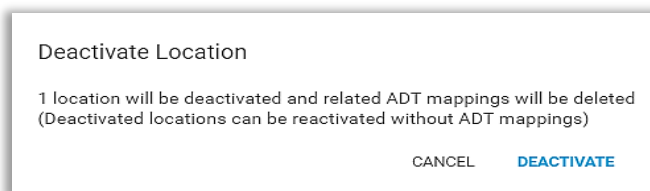
- Select the desired Location by clicking on the row to highlight (blue) and then click on the Deactivate

icon  or right click on the selected row and choose “Deactivate” :




ACTIVE	INSTITUTION	NAME	CLIA LICENSE	CAP LICENSE	FACILITY CODE	NOTES
✓	Carver's Awesome Ho...	CAH-ICU				
✓	Carver's Awesome Ho...	CAH-LAB				
✓	Carver's Awesome Ho...	CAH-Med Surg				
✓	Carver's Awesome Ho...	CAH-NICU				

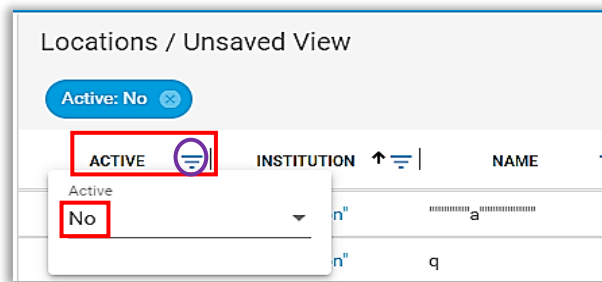
- A warning dialogue will display:




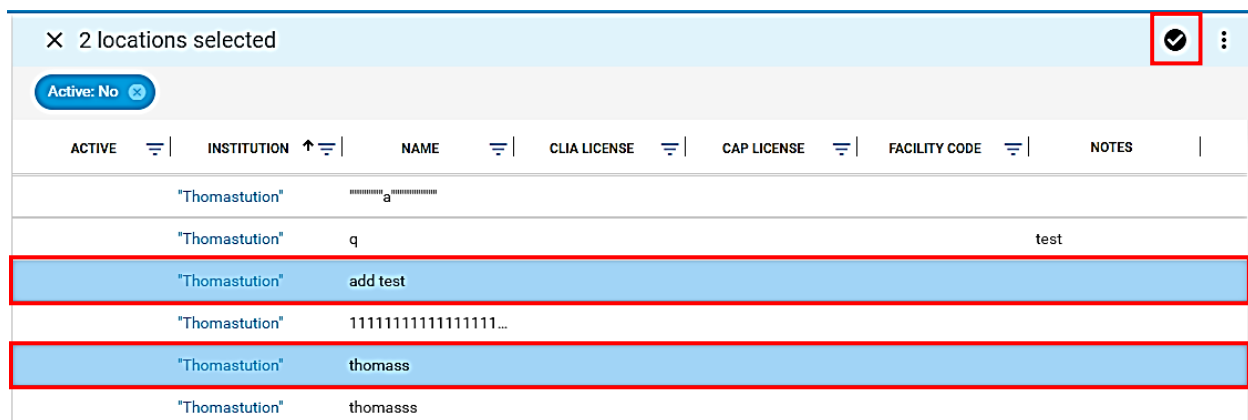
- Click “Deactivate”
- A deactivated location can be reactivated.

## NEW UI How to Reactivate Location(s):

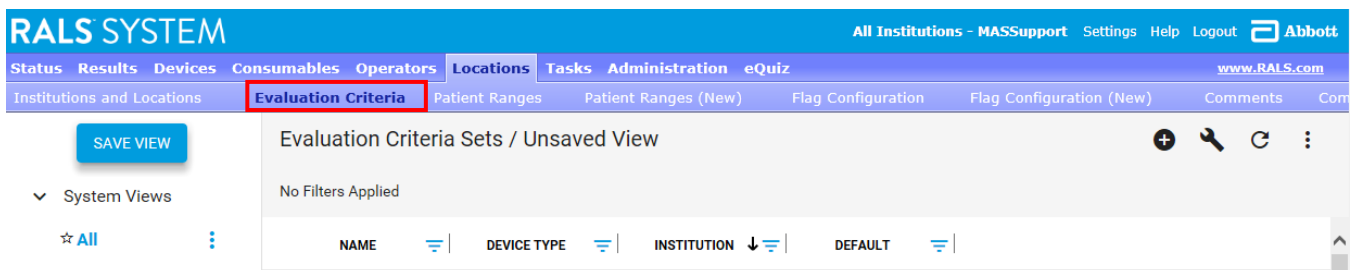
- Filter for Deactivated Location(s) by clicking the filter  icon in the Active Column and change “Yes” to “No”:



- Click “Apply”
- This will display a list of Deactivated Locations
- Select the desired Location(s) from the list by clicking on the row(s) to highlight (blue) and then click the Activate icon  in the upper right corner, or right click on row(s) and choose “Activate” :




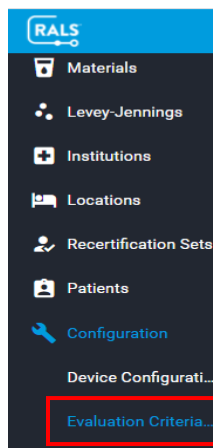
- The selected Location(s) will now display on the Active Locations page







## NEW UI How to Add Evaluation Criteria Set

- Navigate to the Evaluation Criteria page from the Home page by clicking Configuration (the wrench) in the main menu on the left  and then select “Evaluation Criteria Sets”:



- Once on the Evaluation Criteria Page, click the Add icon  in the upper right corner (under your log in name).
- You can also click the Add button  in the main menu on the bottom left and then select “Evaluation Criteria Set”.

Enter information for the following fields (Cards):

### General

1 General

Name \*  
Glucose

Device Type \*  
Abbott Glucose

Institution \*  
Carver's Awesome Hospital

NEXT

- **Name:** Name the Evaluation Criteria Set.



- **Device Type:** Choose the Device Type for which the Evaluation Criteria set is being created.
- **Institution:** Choose Institution. The institution for an evaluation criteria set is defined by user selection when the set is created. The assigned institution cannot be changed later. Each evaluation criteria set can only be used within a single institution
- Click “Next” to Continue

#### Locations:

A screenshot of a web application interface titled "2 Locations". It shows a hierarchical selection of locations. Under "Cville Test Health System", there is a sub-section "Carver's Awesome Hospital" which is expanded. Under this hospital, several locations are listed, each with a checked checkbox: CAH-ED, CAH-ICU, CAH-LAB, CAH-Med Surg, CAH-NICU, CAH-Nursery, and CAH-RT. At the bottom left of the interface, there is a blue "NEXT" button.

- Assign the criteria set to the desired locations by placing checkmarks next to the locations or to assign to “all locations” within the institution place a checkmark in the box next to the Institution Name.
- Each location can only be assigned to one evaluation criteria set. When assigning locations, if a user selects a location that is already assigned to another evaluation criteria set, that location will then be unassigned from its previous evaluation criteria set.
- Locations not assigned to any set will use the default set.
- Click “Next” to continue.



## General Evaluation Criteria (parameters vary by device type):

**3** General Evaluation Criteria

☐ Evaluate Patient ID

☐ Use RALS Patient Ranges

☒ Evaluate Operator ID

☒ Evaluate Operator Certification

☒ Evaluate Flagged Comments

☐ Flag All Results From This Location

☐ Evaluate Repeat Tests

☒ Evaluate Invalid Strip Lot Numbers

☒ Evaluate Strip Lot Expiration Date

☐ Flag Results Marked as Abnormal

☐ Evaluate Order ID

☒ Require Notifications for Critical Patient Values

☐ Require Notifications for STAT Results

BACK    NEXT

A checkmark enables the evaluation for that parameter

- **Evaluate Patient ID:** Select to allow the RALS Evaluator to determine if the sample ID entered at the device matches one of the following: Patient ID, Account Number, Episode Number or Visit Number that exists within the institution's ADT feed. The evaluation takes place as results enter the evaluator, prior to RALS sending the result to the LIS. This setting requires an active ADT (admit/discharge/transfer feed).
- **Use RALS Patient Ranges\*:** Select to flag results outside of the critical range as "Critical Value High" or "Critical Value Low" and outside reference range as "Reference High" and "Reference Low", as set on the Patient Ranges Page. The ranges set in RALS will supersede any ranges set at the device. Ranges set on the Patient Ranges page are not sent to the devices.
- **Evaluate Operator ID:** Select to flag for results performed by an invalid operator. If RALS receives a result with an operator ID that is not on the operator list in RALS, the result will be flagged as "Unknown Operator".
- **Evaluate Operator Certification:** Select to flag for results performed by an uncertified operator. If RALS receives a result performed by an operator who had an expired certification or had no certification for the device at the time of test, RALS will flag the results with the "Uncertified Operator" flag.
- **Flag Results Marked as Abnormal\*:** Select to flag results as "Critical Value High" or "Critical Value Low" based on the ranges set in the device, not in RALS. Ranges may be set for the device in the Device



Configuration settings in RALS. Not all device types support this option. If using this flag, the POCC will not select the "Evaluate Patient Ranges" option in Evaluation Criteria.

- **Evaluate Flagged Comments\*:** Select to flag results with attached comments that are marked as "Flagged for Review" on the RALS Comments page. The "Comments" flag only applies to comments created on the Comments Page in RALS that are marked as "Flagged for Review".
- **Flag All Results From This Location:** Select if there is a location or multiple locations where the POCC wants to prevent any results from those locations from crossing to the patient medical record.
- **Evaluate Repeat Tests:** Select to flag results repeated for the same test on the same Patient ID within a specified time period, in minutes. Enter the number of minutes in this field, once enabled.
- **Repeat Interval In Minutes:** Select number of minutes to evaluate for a repeated test. For example, if the "Repeat Interval in Minutes" is set to 10: The test is held for 10 minutes as soon as it enters the Evaluator. Patient results will not be seen on the Results Review grid or Flagged Results grid during this time. During this 10-minute hold period, if a test that meets the repeat definition (same Patient ID and sample type that was run within 10 minutes of the test being held) enters the Evaluator, then all tests will flag for "Repeated Test".
- **Evaluation Delay Period:** Only available if "Evaluate Repeat Tests" is enabled. This setting can be used to adjust the amount of time a result is held in the RALS Evaluator. For example, if you want result(s) released after 3 minutes to go to Flagged Results or Result Review, but still want to evaluate repeat tests for 10 minutes.
- **Release Most Recent Repeat to LIS:** Only available if "Evaluate Repeat Tests" is enabled. If checked, the RALS System will attempt to upload to LIS/patient medical record the most recent test in a series of repeated tests.
- **Evaluate Invalid Strip Lot Numbers\*:** If selected, RALS will flag any strip lots used at the device that have not been marked as "Reviewed" on the Test Materials page in RALS as "Unknown Strip Lot". Flags are based on the information for the lot on the Test Materials page at the time of the test. ("Strip Lot" is used for glucose meters and some other devices. You will see different consumables, such as "Cartridge Lot Number" for other devices).
- **Evaluate Strip Lot Expiration Date\*:** If selected, RALS will flag any strip lots used at the device that have exceeded the expiration date on the test materials page in RALS as "Expired Strip Lot". Flags are based on the information for the lot on the Test Materials page at the time of the test. ("Strip Lot" is used for glucose meters and some other devices. You will see different consumables, such as "Cartridge Lot Number" for other devices).
- **Evaluate Order ID:** Should only be enabled if you are using a solicited interface (there are test orders waiting to be filled with the patient results sent from RALS). When Evaluate Order ID is enabled, automated order matching will take place inside the Evaluator. As the result is received in RALS, the result goes through the Evaluator, which will determine if there is a matching order. The Evaluator reviews criteria such as whether the result has an accession number, whether a match is made, has the



order been canceled by the hospital information system, or if the order has been matched to a different result.

- **Require Notifications for Critical Patient Values\*:** Select to Require Notifications for Critical Patient Values. This would require that all results for a particular device be held on the Flagged Results Page to allow the device operator to log in to the system and add the Critical Notification information to a result before uploading to LIS.
- **Require Notifications for STAT Results\*:** Select to Require notifications for STAT orders. Should only be enabled if using a solicited interface as this would require that all results be held on the Flagged Results Page to allow the device operator to log in to the system and add the notification information for stat results.

#### Quality Evaluation Criteria:

Quality Evaluation Criteria

- ☒ Evaluate Invalid Control Lot Numbers
- ☒ Evaluate Control Lot Expiration Date
- ☒ Evaluate Control Out of Range
- ☒ Evaluate Invalid Linearity Lot Numbers
- ☒ Evaluate Linearity Lot Expiration Date
- ☒ Evaluate Linearity Out of Range

- **Evaluate Invalid Control Lot Numbers\*:** If selected, RALS will flag any Control lots used at the device that have not been marked as “Reviewed” on the test materials page in RALS as “Unknown Control Lot”. Flags are based on the information for the lot on the Test Materials page at the time of the test.
- **Evaluate Control Lot Expiration Date\*:** If selected, RALS will flag any control lots used at the device that have an expired expiration date on the test materials page in RALS as “Expired Control Lot”. Flags are based on the information for the lot on the Test Materials page at the time of the test.
- **Evaluate Control Out of Range\*:** If selected, RALS will flag any quality control result that is out of range (based on the ranges on the test materials page in RALS or based on the QC ranges downloading into RALS from the device) as “Control Out of Range”. Whether RALS uses ranges that download from the device or ranges from the Test Materials page is dependent on Device Type.
- **Evaluate Invalid Linearity Lot Numbers\*:** If selected, RALS will flag any linearity lots used at the device that have not been marked as “Reviewed” on the test materials page in RALS as “Unknown Linearity Lot”. Flags are based on the information for the lot on the Test Materials page at the time of the test.
- **Evaluate Linearity Lot Expiration Date\*:** If selected, RALS will flag any linearity lots used at the device that have an expired expiration date on the test materials page in RALS as “Expired Linearity Lot”. Flags are based on the information for the lot on the Test Materials page at the time of the test.





- **Evaluate Linearity Out of Range\***: If selected, RALS will flag any linearity result that is out of range (based on the ranges on the test materials page in RALS or based on the linearity ranges downloading into RALS from the device) as “Linearity Out of Range”. Whether RALS uses ranges that download from the device or ranges from the Test Materials page is dependent on Device Type.

\* Not available for all Device Types

#### Disabled Flags (not available for all device types):

- This function gives the user the ability to disable flags for a particular analyte(s). The flags will be those that come from the device. For example, Outside Reportable Range Low or Outside Reportable Range High. As an example, the Nova StatSensor Creatinine device calculates the eGFR (estimate Glomerular Filtration Rate) and results above 60 mL/min/1.73 m<sup>2</sup> will be flagged by the device as “Outside Reportable Range High” by the device. A normal eGFR patient result **should be above 60** mL/min/1.73 m<sup>2</sup>, so a user might want to disable the “Outside Reportable Range High” so that most of the patient results won’t be flagged.



- Click add icon and a new window opens
- enter criteria:

- Click in the “Value Type” field (**required**) and the analytes that are specific to the selected device type will display.



- Select the desired analyte from the list.
- Select the desired flag(s) to disable :

New Disabled Flags

Value Type \*

eGFR (Nova StatSensor® CREAT)

- ☐ Outside Reportable Range (Low)
- ☐ Outside AMR (Low)
- ☐ Critical Value (Low)
- ☐ Critical Value (High)
- ☐ Outside AMR (High)
- ☒ Outside Reportable Range (High)

- Click “OK” to save
- Repeat the above steps for each analyte that needs to have flags disabled.
- When all criteria is entered on all cards for the set, click “**SAVE**” at the bottom or click the save icon



in the upper right corner of the screen.

## NEW UI How to Edit an Evaluation Criteria Set

- Select the desired Evaluation Criteria set by clicking on the row to highlight (blue) and then click on the Edit icon in the upper right corner, or right click on the desired row and select “edit”, or double left click on the selected row :



× 1 evaluation criteria set selected


Name: ab

NAME	DEVICE TYPE	INSTITUTION	DEFAULT
Abbott PXP	Abbott Glucose	THHBD	
abc	Quidel® Triage® Mete...		
ABC FOB	Fecal Occult	Hahnemann Aegis	
ABC PAMG	PAMG-1	Hahnemann Aegis	

- Evaluation criteria sets can be edited, except for default sets.
- Upon edit, the set Name, Device Type and Institution cannot be changed.
- Upon edit, make the desired change(s) to the Locations, General Evaluation Criteria, Quality Evaluation Criteria and/or Disabled Flags Cards.

- Click “SAVE” at the bottom or click the save icon  in the upper right corner of the screen.

## NEW UI How to Clone Evaluation Criteria Set:

- Select the desired Evaluation Criteria set by clicking on the row to highlight (blue) and then click on the Clone icon  in the upper right corner, or right click on the desired row and select “Clone”:
- Evaluation criteria sets, including default sets, can be cloned. All values will be copied, except:
  - Name: User will be prompted to enter a new name
  - Institution: User will be prompted to enter a new institution

Clone Evaluation Criteria Set

Name \*

Cloned One

Institution \*

Carver's Awesome Hospital

CANCEL CLONE


- Click “Clone” to complete the process.

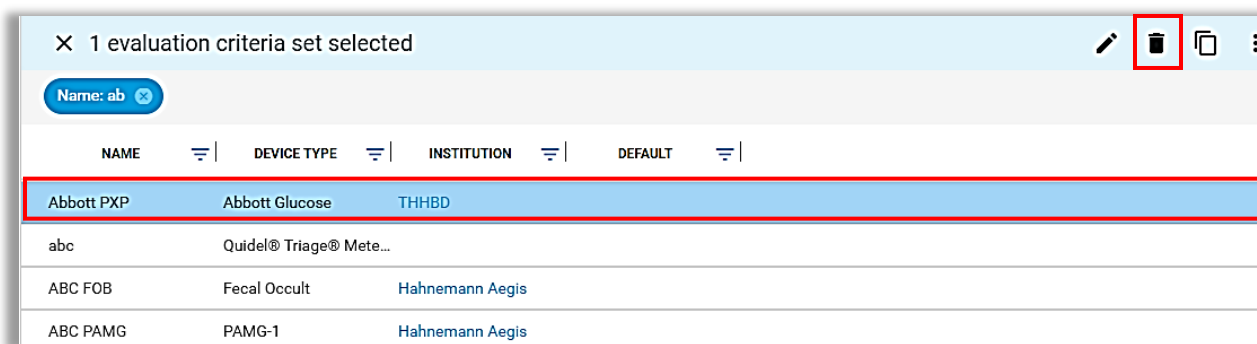


- You can now edit any of the desired cards
- Click “**SAVE**” to save the changes.

## NEW UI How to Delete Evaluation Criteria Set:

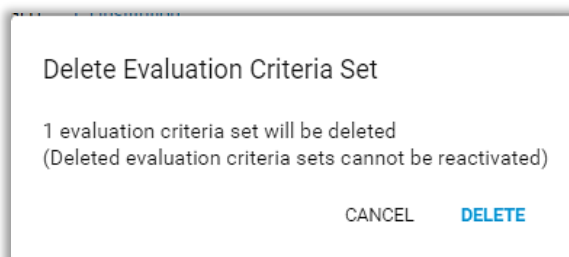
- Select the desired Evaluation Criteria set by clicking on the row to highlight (blue) and then click on the

Delete  icon in the upper right corner or right click on the desired row and select “Delete”:



NAME	DEVICE TYPE	INSTITUTION	DEFAULT
Abbott PXP	Abbott Glucose	THHBD	
abc	Quidel® Triage® Mete...		
ABC FOB	Fecal Occult	Hahnemann Aegis	
ABC PAMG	PAMG-1	Hahnemann Aegis	

- A warning dialogue box will display:



- Select Cancel to return to Evaluation Criteria page or “Delete” to remove the set
- Evaluation criteria sets can be deleted, except for default sets.
- Any locations that were assigned to the deleted set, will now be assigned to the Default Set
- Once deleted, an evaluation criteria set cannot be restored.



## Abbott ID NOW™ Module Update

RALS™ 6.0 SP5 added additional bidirectional support for Abbott ID Now™ analyzers running firmware version 6.1.22. New bi-directional functionality includes:

- Patient Query Support:
  - Name
  - Date of Birth
  - Query Status (SUCCESS, NOT FOUND, MULTIPLE)
- Cartridge Material List Upload
- Device Configuration Support
  - Meter Settings
    - Positive Patient ID Enabled/Disabled
  - QC Schedule Settings

www.RALS.com

Status Results **Devices** Consumables Operators Locations Tasks Administration eQuiz

Device Management Devices (New) **Device Configuration** Device Configuration (New) Firmware Updates Manual Test Setup Manual Test Setup (New)

Device Type **Abbott ID NOW™** Institution **Alere Main**

Refresh Add Copy Assign Locations

Saved Configurations  
Default Configuration

Default Configuration

Meter Settings QC Schedules

Available Assays  
Flu  
RSV  
Strep A

QC Schedule  
Disabled  
QC Schedule Units  
Days  
QC Schedule Limit  
1

## Quidel® Triage® Meter System Module Update

RALS™ 6.0 SP5 adds support for the new TOX DS 94600 Cartridge Quidel® Triage® MeterPro analyzers running firmware version 5.03.046 or higher.

www.RALS.com

Status Results Devices Consumables **Operators** Locations Tasks Administration eQuiz

**Test Materials** Materials (New) Proficiency Samples eVAD

Device Type **Quidel® Triage® Meter Pro** Product Type **Cartridge**

Apply Add Edit Remove Restore

Lot # Test Type Expiration Date Reviewed Memo

1	TOX DS 94600	01/29/2020	Yes	
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## Abbott Cholestech LDX® & LifeHealth™ IRMA TruPoint® Results Eval and Flagging Updates

- When the device reports Outside Low Reportable Range RALS™ will flag the result value as < Dev Range and the result as Outside Reportable Range (Low)
- When the device reports Outside High Reportable Range RALS™ will flag the result value as > Dev Range and the result as Outside Reportable Range (High)

The screenshot shows the RALS Results Review interface. At the top, there are tabs for Status, Results, Devices, Consumables, Operators, Locations, Tasks, Administration, and eQuiz. The Results tab is active, showing a Results Review section with filters for Device Type (IRMA TRUpoint), Date Range (01/29/2000 to 01/29/2020), Patient ID/Lot #, Device ID, Location (All Locations), Sample Status (All Sample Statuses), Sample Type (All Sample Types), Operator, and Flag (Outside Reportable...). Below the filters are buttons for Apply, Review, Saved Notes, Resend, Add Notification, Notification Actions, Reassign, and Recall. A table of results is displayed below the buttons, showing columns for Date and Time, Result No, Patient ID / Lot #, Test Type, Location, Operator, Flags, Hct, Sample Status, Sample Type, Profile Name, Accession #, LIS Comment, and D. The first row of data shows a result from 10/08/2012 05:06:25 PM with Result No 9488, Patient ID / Lot # ER3489, Test Type CC, Location LAB, Operator None, and Flags Unknown Operator, No Value, No Profile, Outside Reportable Range(Low). The Hct is <10.0 %, Sample Status Evaluate, Sample Type Patient, and LIS Comment is empty.

Date and Time	Result No	Patient ID / Lot #	Test Type	Location	Operator	Flags	Hct	Sample Status	Sample Type	Profile Name	Accession #	LIS Comment	D
10/08/2012 05:06:25 PM	9488	ER3489	CC	LAB	None	Unknown Operator, No Value, No Profile, Outside Reportable Range(Low)	<10.0 %	Evaluate	Patient				2

## Abbott i-STAT® DE 2.10 Support

Beginning with RALS™ 6.0 SP5 customers can now upgrade their DE to version 2.10.



## Instrumentation Laboratory Hemochron Signature Elite® & Hemochron Signature Plus® Module Updates








RALS™ 6.0 SP5 adds support for the “Send All Results” device command option.

Status	Results	Devices	Consumables	Operators	Locations	Tasks	Administration	eQuiz	www.RALS.com	
Device Management		Devices (New)	Device Configuration		Device Configuration (New)		Firmware Updates	Manual Test Setup	Manual Test Setup (New)	
Device Type		Signature Elite		Downloaded in the last		24		Hours		Device ID
Apply		Add	Edit	Remove	Restore	View History		Device Settings		
Device ID	Device Name	Firmware Version	Assigned Location	Download Date & Time	Download Location	In Service	Last Inspection	Next Inspection		
000569SE		V2.01 2007-06-22	LAB	7:06:47 PM	Implementation	02/20/2009	02/20/2009	02/20/2010		
000044SE		V1.1 09/01/05	LAB	3:23:43 PM	LAB	07/29/2009	07/29/2009	07/29/2010		
1235111			AMC-Cath Lab-iSTAT		None (Unassigned)	02/07/2011	02/07/2011	02/07/2012		
8888888			AG-LAB		None (Unassigned)	05/23/2017	05/23/2017	05/23/2018		
SE0569			Carroll		None (Unassigned)	07/25/2017	07/25/2017	07/25/2018		
1	1		AMC-ER		None (Unassigned)	07/06/2018	07/06/2018	07/06/2019		
ELITIEST	ELITIEST		testtesttest		None (Unassigned)	07/24/2018	07/24/2018	07/24/2019		
test	test device		Charlottesville		None (Unassigned)	06/05/2019	06/05/2019	06/05/2020		
http://10.240.64.36/RALSUI/	test		BH Clone 3		None (Unassigned)	08/22/2019	08/22/2019	08/22/2020		
000570SE			LAB		None (Unassigned)	03/30/2009	03/30/2009	03/30/2010		

## CoaguSense Coag-Sense® Module Update

Now supports flagging results that are received with a negative PT result value.

If RALS™ receives a Result with a negative PT Result Value the Result will be flagged with “No Value”, the result will be displayed as “ERR”, and the Result Value will be flagged “Invalid”.

Status	Results	Devices	Consumables	Operators	Locations	Tasks	Administration	eQuiz	www.RALS.com																						
Flagged Results		Results Review		Results Management		Results (New)		Levey-Jennings	Linearity	Proficiency Review		Enter Manual Result	View Order																		
Device Type		Coag-Sense®			Date Range		01/29/1994 15 To 01/29/2020 15		Sample Status		All Flagged																				
Location		All Locations			Reason For Failure		All Failures		LIS Upload Failure		All Upload Failures																				
Apply		Review		Edit		Upload to LIS		Override		Do Not Upload		View ADT Events		Assign Order		Add Notification															
Date and Time		Patient ID		Cartridge Type		Location		Operator		Comment		Reason For Failure		Sample Status		Specimen Type		Cartridge Lot #		Profile Name		LIS Upk									
10/28/2019 02:09:29 PM		335852		PT/INR		4 South		Erin				No Value		Upload Failed		None		19002038115282		PT/INR		No matc									



## Manual Test Entry (MTE) Updates

Updated the Rapid Trichomonas Manual Test to support the ability to enter QC – Negative control materials and QC – Negative Results

## RALS™ System Corrections

### ADT Location Updates

Starting in RALS™5.19 if a user updated a system location with an associated ADT location and made it a child of another system location, the assigned ADT location would have stayed associated to the original system location instead of being adopted by the new parent system location. RALS™ will now make the appropriate ADT location association when a system location is made a child of another system location.

### Instrumentation Laboratory GEM® Premier™ 5000 Partial Results

For sessions with more than one result transmitted, some second results were only partially received and RALS accepted the partial result. Which caused Results of GEM® Premier™ 5000 HCO3 to not show in Results Review. RALS now correctly handles session where more than one result is transmitted.

### Multi Instrument Gateway (MIG) Service

When the MIG service starts after a reboot of the server or a restart of the service, the MIG status on the status page displays as Not Connected. This indication is incorrect as the MIG service is running and the MIG status window shows it as connected. This failure can cause part of the MIG service to fail to start. RALS™ now correctly handles MIG service starts after a reboot of the server or restart of the service removing the status and service failures