

OpenELIS  
Design/Requirements

Change/Feature Name : Rule builder for Reflex tests and Algorithms

Date : 8/29/2002

Target Release: OE v.2.8.3.1

Status: Final

Contents

Background	2
User Stories	2
Business Rules:	2
UI Mockup	5
Localization	7
Considerations	7
Traceability	7
Signatures	7

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Sample \*

Sample Type

BLOOD (CITRATE) ▾

	ID	Sample Type	Condition	Se
<input checked="" type="radio"/>	2	BLOOD (CITRATE)	<div><div>▾</div><div>Broken Tubes</div><div>Coagulated</div><div>Contaminated</div><div>Form without Sample</div><div>Frozen</div><div>Hematolysis</div><div>Inadequate Sampling</div><div>Insufficient Amount</div><div>Leaked Sample</div><div>Not Refrigerated</div><div>Other</div><div>Overturned Sample</div><div>Refrigerated</div><div>Sample without Form</div></div>	Ante mor

Panels

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☐ Refer test to a reference lab

Add New Sample

## Background

We need to let users set the reflex and testing algorithms in the GUI

## User Stories

- As a test catalog manager, I want to be able to configure testing algorithms
- As a lab tech, I want to be able to trigger a reflex when I change a result to within the trigger range, not just on initial entry.

## Business Rules:

- In the Test Catalog management, there will be a new option
  - Manage Testing Algorithms and Reflex tests
  - Only those with Global Admin (or test catalog admin" rights will be able to access this menu option
  - It will display a list of the reflex and testing algorithms as well as an option to add a new one
    - Each one can be expanded to show a list of 1+ rules that are part of that algorithm
    - Each rule is saved independently

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- Sample \*

Sample Type

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Add New Sample

Broken Tubes  
Coagulated  
Contaminated  
Form without Sample  
Frozen  
Hematolysis  
Inadequate Sampling  
Insufficient Amount  
Leaked Sample  
Not Refrigerated  
Other  
Overturned Sample  
Refrigerated  
Sample without Form



- is inside the normal range
- is outside the normal range
- is less than or equal to
- is greater than or equal to
- is less than
- is greater than
- is between
- Options for overall rule
  - If **OPTION** of the following conditions are met
    - Any
    - All
- Options for “perform the following actions”
  - Add test to order

4

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Sample \*

Sample Type

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ID	Sample Type	Condition	Sa
<div><div>●</div><div>2</div></div>	BLOOD (CITRATE)	<div><div>▼</div><div>Broken Tubes Coagulated Contaminated Form without Sample Frozen Hematolysis Inadequate Sampling Insufficient Amount Leaked Sample Not Refrigerated Other Overturned Sample Refrigerated Sample without Form</div></div>	Ante mor

Panels

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☐ Refer test to a reference lab

Add New Sample

- Search box to specify test name
- Add pop up notification to user
  - Current pop up happens.
- Add Internal Note
  - Free text box
  - Default text: This is part of a set of tests, please ensure all tests are resulted before validation
- Add External Note
  - Default text: This is part of a set of tests
- Add Internal “triggered by” message
- Add External “triggered by” message

## UI Mockup

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Sample \*

Sample Type

BLOOD (CITRATE) ▼

ID	Sample Type	Condition	State
<div> <div>●</div> <div>2</div> </div>	BLOOD (CITRATE)	<div> <div>▼</div> <div> Broken Tubes  Coagulated  Contaminated  Form without Sample  Frozen  Hematolysis  Inadequate Sampling  Insufficient Amount  Leaked Sample  Not Refrigerated  Other  Overturned Sample  Refrigerated  Sample without Form </div> </div>	Ante mortem

Panels

Name

☐ Refer test to a reference lab

Add New Sample

Name

☐ Active

Rule 1

If  of the following conditions are met:

If a sample is  and the test

If a sample is  and the test

Perform the following actions

Rule 2

If  of the following conditions are met:

If a sample is  and the test

Perform the following actions


Rule 3

If  of the following conditions are met:

If a sample is

Perform the following actions

## Localization

English	French
SEE:  Rule Builder Translations	

## Considerations

## Traceability

## Signatures

Role	Signature	Date
Stakeholder		
Feature Lead <b>Casey</b>		
Dev		

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Sample \*

Sample Type

BLOOD (CITRATE) ▼

ID	Sample Type	Condition	State
<div> <div>●</div> <div>2</div> </div>	BLOOD (CITRATE)	<div> <div>▼</div> <div> Broken Tubes  Coagulated  Contaminated  Form without Sample  Frozen  Hematolysis  Inadequate Sampling  Insufficient Amount  Leaked Sample  Not Refrigerated  Other  Overturned Sample  Refrigerated  Sample without Form </div> </div>	<div>Ante mortem</div>

Panels

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Add New Sample