OpenELIS Design/Requirements

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

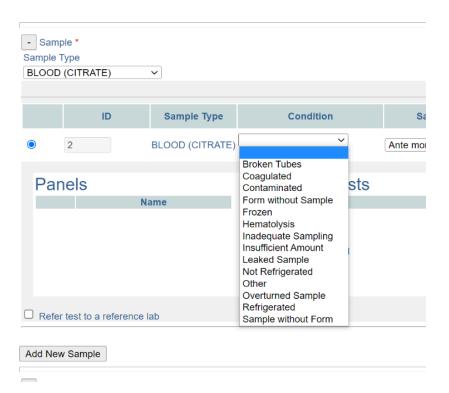
Date: 8/29/2002

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



Background

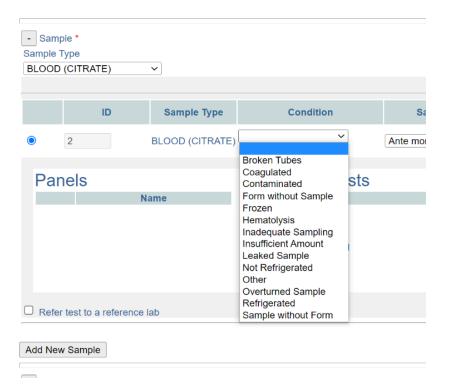
We need to let users set the reflex and testing algorithms in the GUI

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 withing the trigger range, not just on initial entry.

Business Rules:

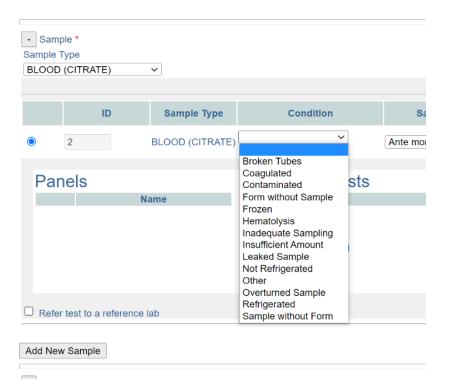
- In the Test Catalog management, there will be a new option
 - Manage Testing Algorithms and Reflex tests
 - Only those with Global Admin (or test catalog admin" rights will be able to access this menu option
 - It will display a list of the reflex and testing algorithms as well as an option to add 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



- If a name change is made for the algorithm, a save box should appear to the right of the name. Also, if any rule has had "save" clicked on it, all changes made to any rule or the algorithm will all be saved at the same time.
- Each algorithm will have an active / inactive button. Inactive algorithms will appear separate from actives ones.
 - In the mockup, it appends (Inactive) after the name in the list, but that's not how we normally show these in the test catalog.
- Options for the dropdown for each condition
 - Select list tests
 - equals
 - does not equal
 - is inside the normal range
 - is outside the normal range
 - Numeric Tests
 - equals
 - does not equal

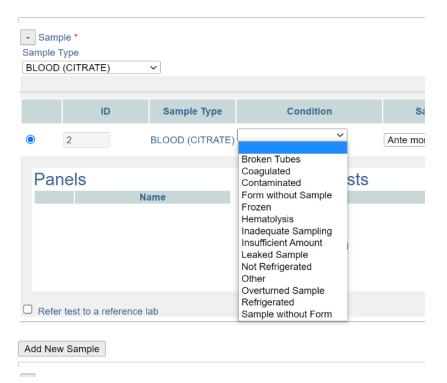
- Sample * Sample Type BLOOD (CITRATE) Condition ID Sample Type Sa BLOOD (CITRATE) Ante moi Broken Tubes Coagulated **Panels** sts Contaminated Form without Sample Name Frozen Hematolysis Inadequate Sampling Insufficient Amount Leaked Sample Not Refrigerated Other Overturned Sample Refrigerated Refer test to a reference lab Sample without Form Add New Sample

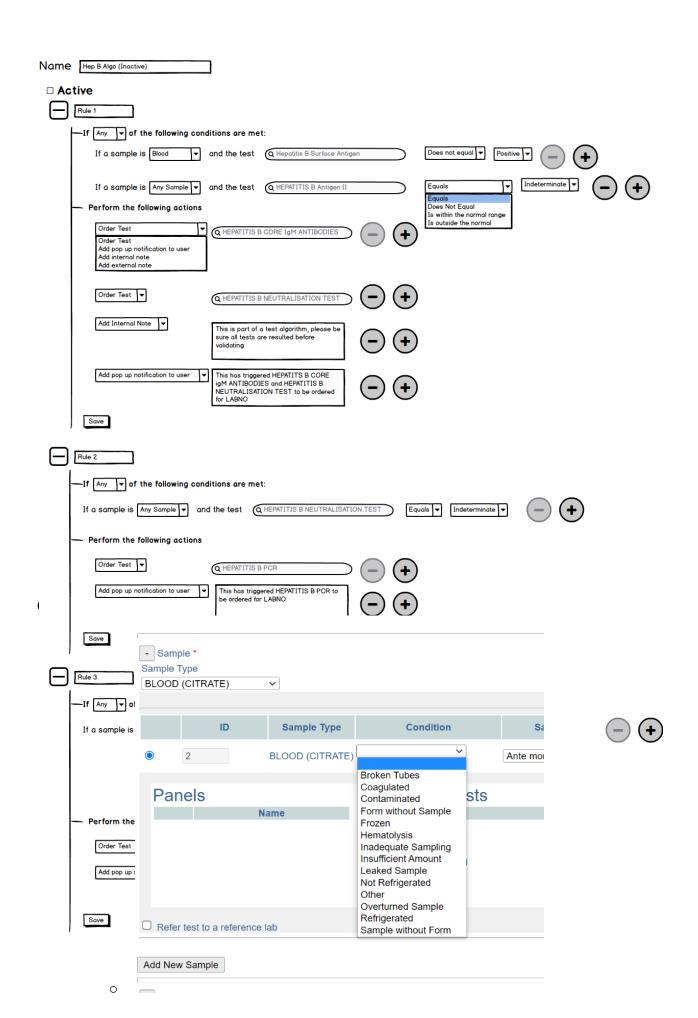
- is inside the normal range
- is outside the normal range
- is less than or equal to
- is greater than or equal to
- is less than
- is greater than
- is between
- Options for overall rule
 - o If OPTION of the following conditions are met
 - Any
 - All
- Options for "perform the following actions"
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



- 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
- o Add Internal "triggered by" message
- Add External "triggered by" message

UI Mockup





Localization

French

Considerations

Traceability

Signatures

Role	Signature	Date
Stakeholder		
Feature Lead		
Casey		
Dev		

