

TITLE: Reviewing Results on the Echo Analyzer

PRINCIPLE: This procedure provides instructions for viewing, approving, exporting, and editing results on the Echo Analyzer. Only the Clinical Laboratory Technical Specialist/designee have access to edit a result on the ECHO.

CLINICAL SIGNIFICANCE: Provides instructions for viewing, approving, exporting and editing results on the Echo, so results can be viewed, approved, exported or edited. Only the Clinical Laboratory Technical Specialist/designee have access to edit a result on the ECHO.

The diagram below illustrates commonly used symbols, including a description of the meaning of the symbols.



PERSONNEL: Medical Technologist

SPECIMEN COLLECTION: Not Applicable

REAGENTS AND EQUIPMENT: Equipment:

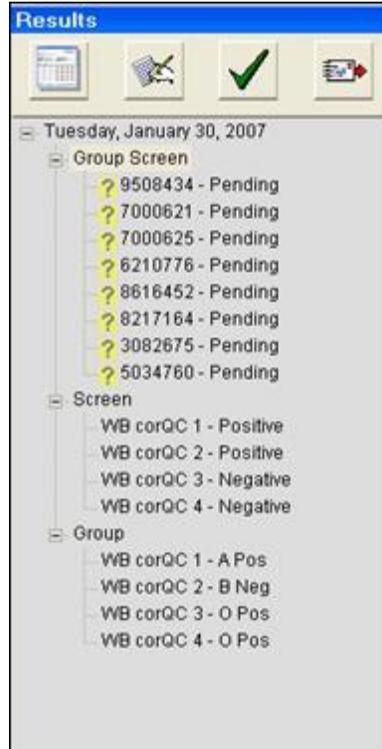
1. Echo Lumena Analyzer

QUALITY CONTROL: None Indicated

STEPWISE PROCEDURE:

To view test results:

- a. Double-click the sample ID listed in the **Results Panel** to display the report for that sample.



- b. Single-click (or press) the sample (or batch) ID in the **Results Panel** and press the **Display Results** button on the **Results Bar** to display the report that sample or batch.

	Description
	Display Results – Used to select a batch or sample ID from the menu. Pressing the button displays results.
	Edit Results – Used to view and edit reactions on equivocal results.
	Approve Results – Used to approve results for export.
	Export Results – Used to export results to LIS.

2. To approve test results:

- a. Select the result or batch from the **Results Panel**.
- b. Press the **Approve Results** button on the **Results Bar** to approve the selected results.

- c. Press the **Approve Results** button on the **Results Bar** to approve the selected results.



- d. **Approve Results** button

An information balloon message is displayed briefly to indicate that the selected result was approved.



- f. Information balloon message showing approval for a selected result
- g. The approve symbol appears next to the approved results in the **Results Panel**.

- i. 

Approved Result symbol

- j. Press the **Approve Results** button on the **Results Bar** for a second time to deselect results that were erroneously approved initially.

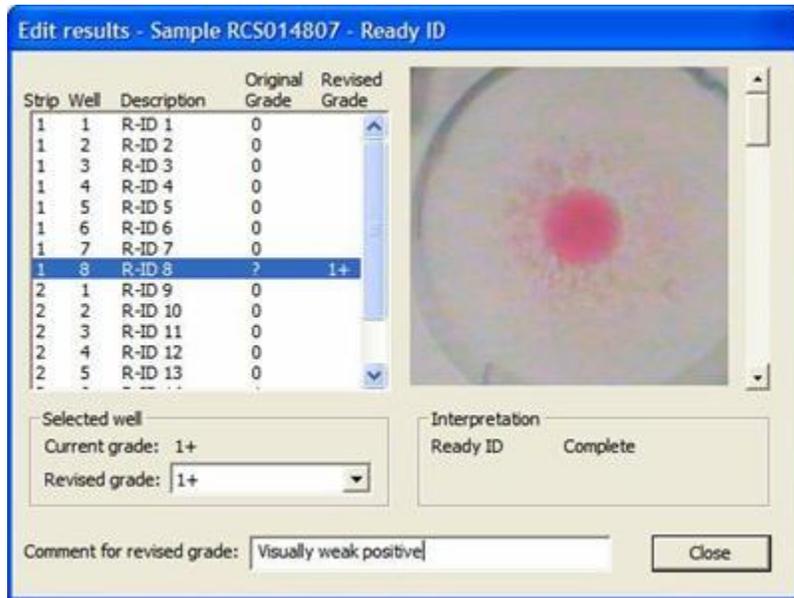
3. To Edit Test Results: Only Clinical Laboratory Technical Specialist/designee have access to edit a result on the ECHO

1. Select the result in question from the **Results Panel** and then press the **Edit Results** button on the **Results Bar** to edit result.



Edit Results button. The **Edit results** window appears for the sample in question. You can then modify the result by first selecting the well result in question (by highlighting with the **blue** line) and then selecting the new grade from the **Revised grade:** drop-down list. **A comment is required when a result is edited, and this must be entered into the **Comment for revised grade:** field.**

. Press the **Close** button to close and save. Only equivocal (?) results can be edited by the Clinical Laboratory Technical Specialist/designee



Strip	Well	Description	Original Grade	Revised Grade
1	1	R-ID 1	0	
1	2	R-ID 2	0	
1	3	R-ID 3	0	
1	4	R-ID 4	0	
1	5	R-ID 5	0	
1	6	R-ID 6	0	
1	7	R-ID 7	0	
1	8	R-ID 8	?	1+
2	1	R-ID 9	0	
2	2	R-ID 10	0	
2	3	R-ID 11	0	
2	4	R-ID 12	0	
2	5	R-ID 13	0	

Edit results window

Note: Control wells and QC results cannot be edited.

3. The edit symbol appears next to the edited results in the **Results Panel**.



Edited Result symbol

4. To Export Test Results

1. Select the result or batch from the **Results Panel**.
2. With the LIS switched on and active, press the **Export Results** button on the **Results Bar** to export results.



Export Results button

The export symbol appears next to the exported results in the **Results Panel**.



Exported Results symbol

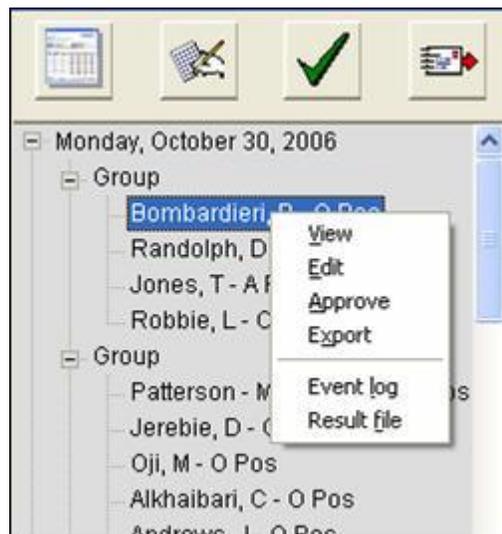
Results can be exported more than once. However, if the export is performed more than once, you will be required to respond to a confirmation dialog asking if you wish to export the result again.



Repeat export confirmation dialog

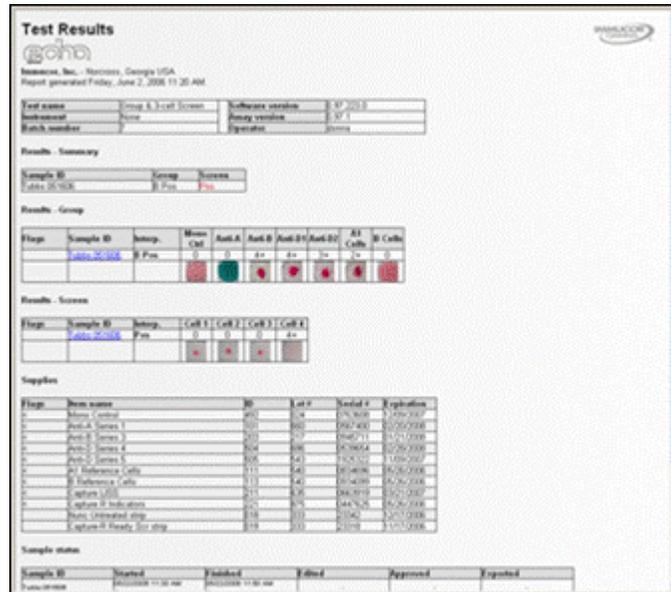
5. Alternative method to view, edit, approve, and export results:

- a. Select the sample ID in the results tree of the **Results Panel**, hold the cursor over that required ID and then right-click over that sample ID.
- b. Click to select **View**, **Edit**, **Approve**, or **Export** when the submenu is displayed. The view, edit, approve, or export results function for the selected sample ID is accessed by selecting the appropriate submenu item. Note: only the Clinical Laboratory Technical Specialist/designee have access to edit.



REPORTING AND INTERPRETING RESULTS:

Select a sample from the **Results Panel** to display its report by double-clicking the sample ID listed in the **Results Panel** (or by using the **Display Results** button on the **Results Bar** as described in the next section). The following image displays an example of a report.



PROCEDURAL NOTES: Not applicable

REFERENCE:

1. Immucor, Inc. (2017). *Echo Lumena Operator Manual*. ECL-003-100. Norcross, GA.