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Owner: Nadera Poirier: Spvr,
 Transfusion Services
Policy Area: Lab - Transfusion Service
References:
Applicability: Sutter Roseville Medical Center

Reviewing ECHO Test Results TS.ANA 09.13-RV

Reviewing Echo Test Results

Purpose:	The purpose of this procedure is to provide instruction for viewing, editing, approving and printing hard copy or exporting results to the LIS for the Echo analyzer.	
Policy:	<ul style="list-style-type: none"> The well images of "?" reactions will be evaluated and modified by the CLS prior to transmitting results. Test discrepancies must be resolved prior to accepting/transmitting the test batch. Daily QC must be acceptable prior to reporting any test results. The interface will be used to Upload patient results to the LIS whenever the test is defined to transmit results and the interface is operational. Whenever manual test entry is required, the results MUST be entered from an instrument print out of results. Reactions with antisera of less than 2+, will be checked for mixed field agglutination by tube method unless the Blood Type can be confirmed by a historical check. 	
Procedure: Viewing Results		
	Step	Action
	1.	Use one of the 2 options below to view Echo results <ul style="list-style-type: none"> Double-click the sample ID listed in the Results Panel to display the report for that sample. Single-click (or press) the sample (or batch) ID in the Results Panel and then press the Display Results button on the Results Bar to display the report for that sample or batch.
	2.	The ECHO has the limitation of not recognizing mixed field agglutination. Values of less than 2+ should be verified by tube method unless an historical type is available for comparison.
	3.	If the D1 and D2 do not match, or either the D1 or D2 are positive and less than 2+, resolve the Rh type using tube method to determine whether mixed-field is present. See <i>Performing a Rh Blood Type by Tube Method</i> for guidance.
Procedure:	Only unequivocal (?) test will be edited. See <i>Raw Data Score Lookup Procedure</i> below to	

Editing Results	assist in interpretation, as needed.	
	Step	Action
	1.	Select the result in question from the Results Panel and then press the Edit Results button on the Results Bar to edit result.
	2.	Modify the result in the Edit results window 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.
	3.	Enter a comment into the Comment for revised grade: field.
	4.	Press the Close button to close and save. <i>Note: The edit symbol appears next to the edited results in the Results Panel.</i>
Procedure: Raw Data Score Lookup	When unequivocal (?) results are obtained, it may be helpful to know what the raw data score is. Use these instructions to view the raw data score.	
	Step	Action
	1.	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
	2.	Select Result File in drop down menu.
	3.	Scroll down to Original Results.
	4.	Locate the results in question and note the Strip and Well number of the result.
	5.	Continue scrolling down to the "Reactions" section of the report.
	6.	Locate the Strip and well number in question. Note the raw number value assigned to the well(s) in question.
	7.	Look up the Assay Cut off value for the specific assay in question in Appendix D of the Operator's Manual.
	8.	Use these values to assist you in determining how to grade the reaction. <i>Note: Values at the low end of the range are more likely negative and values at the high end of the range are more likely positive.</i>
Procedure: Printing results	Printing a hard copy of results is required when manual data entry is performed.	
	Step	Action
	1.	Select the result or batch from the Results Panel .
	2.	Press the Print Results button on the Results Bar to print results.
Procedure: Alternate Method	The following is an alternate method to View, Edit, Approve or Export Results	
	Step	Action
	1.	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

	2.	Click to select View, Edit, Approve, or Export when the submenu is displayed.
References:	Immucor, Inc. (2018). <i>Echo Operator Manual version ECO-001-201.</i>	

All revision dates:

Attachments

No Attachments

Approval Signatures

Step Description	Approver	Date
Laboratory Director	Lindsey Westerbeck: Dir, Lab	pending

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