TITLE: **ANTIGEN PLUS – VALIDATION**	FILE: **SOP-VALIDATION75.docx**
Revised for Version 7.5	EFFECTIVE DATE: February 17, 2014

1.0 PRINCIPLE

Antigen Plus is a software program designed to store and select red cells for antibody identification testing, by phenotype. Antigen Plus Version 7.5 is a medical device under the provisions of the FDA, 510(k) clearance number BK11045.

In order to be used as a tool by an immunohematology reference laboratory or transfusion service, the program must be validated to function as stated in the users' manual after it is installed. All validation testing scenarios will be performed by an experienced user.

Testing will be done in a database created for that purpose. This database will be maintained as long as the program is in use, but will not be used once validation is completed. All patient data saved in the database will not use actual patient names or identifiers. For instructions on creating a database for validation, consult the User's Guide for an internal SQL Server installation, or contact customerservice@antigenplus.com for a Cloud installation.

2.0 SCOPE/RELATED POLICIES

The scope of this validation plan is to assure that the program performs to specification in the laboratory setting. SOPs will be developed to guide the use of the program and the required maintenance plan. The program will be available to all reference laboratory technologists, including staff rotating through the special testing areas.

3.0 SPECIMEN

N/A

4.0 MATERIALS

A minimum of 50 different RBC samples from commercial suppliers. The mix should consist of:
5 commercial panels from any supplier used by the lab is to be downloaded electronically from a website and stored on the end user's system. One panel should be out of date.

For an internal SQL Server installation, the Validation Lots folder on the installation disk. For the Cloud, the validation lots supplied on a requested validation database.

5.0 SAFETY

Compliance with Laboratory Quality Practices: Bloodborne Pathogens Employee Exposure Control Plan.

6.0 RECORDS/FORMS/DOCUMENTS

User testing documentation of program activities will consist of select cell panels and panels printed by lot number to be compared with the corresponding antigram provided by the panel supplier. The results of all validation testing will be printed directly from Antigen Plus.

Screen capture pictures will be printed to demonstrate warning flags and necessary screen information.

7.0 QUALITY CONTROL

N/A

8.0 PROCEDURE

The following is a list of functions that must be validated before being used by the laboratory staff to create select cell panels and evaluate test results. Test case scenarios will be developed to cover the following:

1. Verification of user log-in and permission status
2. Entry of all electronic information of all RBCs as they are received by the lab must be shown to contain the correct donor#, lot #, supplier and expiration date after entering the program database.
3. Out of stock designation assigned when a cell has been used to exhaustion or as they are discarded must be shown to not be presented on a selected cell panel with the out-of-stock cell or appearing in the lot # printout.
4. Deletion of individual cell information to correct an incorrect entry or if a sample will never again be available to the reference lab must be shown to remove the cell's phenotype information.
5. Deletion of an panel not used in a saved work-up by lot # must be shown to delete every cell listed in the lot#.
6. Cell selection by phenotype must be shown to be consistent.
7. All print functions must be shown to provide the correct information.
8. Out-of-date function must apply itself automatically when required.
9. Program must maintain correlation between Wiener phenotypes and Rh antigen typing as described in the user manual.
10. Test the save function by reloading the panel and compare printouts.
11. Show that the program can differentiate between frozen inventory and liquid inventory by selected searches.
12. Using 3 specificities where 1 is destroyed by enzyme treatment, 1 by DTT and 1 not affected, put the probable reactions in the IAT, DTT and ENZ columns of the results panel. Print the results to include all the evaluations and how many examples of antigens had been nonreactive when tested.

Scenario 1

- Following directions in the User's Guide create user accounts with passwords to cover all permission levels.
- Log in and out changing users. Return to original user log-in with administrator level

Scenario 2

- Download 10+ cell commercial lot from each of the commercial suppliers that you use* until you have 5 panels. Do the same for 3 screen cell lots.
    - * If you use or plan to use Immucor panels, check the SUT box when downloading and select some additional antigens from the list to include on your download. When doing the line-by-line comparison of the data, check against the SUT sheet from Immucor to make sure your selections have been added in the proper places. You may delete one of these lots and download it again with different criteria to double check.
- Use the **print lot profile** function on the **lot** drop menu to print a copy of each lot added to the database.
- Do a line-by-line comparison of the data on the printout compared to the data in the antigram from the supplier.
- Document any variations. Sign and date the Antigen Plus copy once it contains exactly the same information as the antigram. Keep both copies as user testing documentation.

Scenario 3

- Capture Systems Options settings to show "out of stock" not included in Search
- From the Add screen select a cell and mark it out of stock. Note the donor and lot number of the marked cell. Click on the Save button.
- Tab to the Search screen and enter the donor number—verify that it is not found. Clear the donor number and enter the lot number—verify that the out-of-stock cell is not among the cells found in the lot.
- Tab to the Add screen. Locate the out-of-stock cell and verify that it is marked out-of-stock in red.
- In Systems Options, change the settings to include out-of-stock in searches.
- Tab to the Search screen and enter the donor number—verify that it is not found

Scenario 4

- On the Add/Edit screen select a donor number from the donor drop box that appears only once in the list.
- Bring up the cell information and do a print screen for the record.
- Delete the cell from inventory.
- Drop the donor drop box and type in the deleted donor number and open the list box. The list should show that the number is not there and no information will populate the Add/Edit screen.
- Do a print screen to confirm this for documentation.

Scenario 5

- On the Add/Edit screen select a lot number from the lot # drop box.
- Bring up the cell information on a select cell panel and print it for the record. Delete the lot using the Delete Lot button on the bottom of the screen.
- Drop the lot # drop box and type in the deleted lot number and open the list box. The list should show that the number is not there and no information will populate the Add/Edit screen.
- Do a print screen to confirm this for documentation.
- Using the select cell panel printed in the first step, try to select at least 3 of the cells on the panel by donor number and confirm that they are no longer in the inventory attached to that lot number.

Scenario 6

- Use the following : a)C+, K-, Js(a-), 2 examples; b) D-,K+, Js(a-), 2 examples; c) C-,K-, Js(a+), 2 examples; to construct a select cell panel. Select the first 2 cells presented with each request. Go through the process 5 times.
- Each time, print the select cell panel.
- When all 5 panels are printed, do a line-by-line examination to ensure that the program presented the same 6 cells in the same order and that they match the requirements set.

Scenario 7

- From the Systems Options menu, select Antigen Display Order for Search, select Biotest, and using one of the previous select cells panels from Scenario 6, go to the Results panel through the File drop box. Add 0 for a negative result in all the IAT column boxes for the 9 cells selected and then select Print at the top of the screen.
- Repeat this printout 6 times by returning to the Options menu and selecting Antigen Display Order numbers for the other commercial suppliers, and returning to the Results Worksheet and selecting Print at the top of the screen.
- Compare the printed copy to the information on the screen. Note any discrepancies.
- From the main screen, drop the lot # drop box and select one of the lot numbers on the Results Worksheet I. Use the print lot # panel on the File drop box list to print this panel.
- Compare the cell data between the Results Worksheet printout and the lot # printout.
- Document any inconsistencies.

Scenario 8

- In the search screen, select an out of date panel from the list of lot #s.
- Verify that upon selection of an out of date cell or cells, the Review Selected Cells screen appears and click Review on one cell
- From the Cell testing History screen, drop down the list of retested antigens, check one or more and save changes, verify that these antigens now appear in the Antigens Retested list
- Print the selected cells and note the OOD designation in the far left column. Go back to **the search screen** and **clear selected cells** when this step is complete.
- Select the same panel again and verify that the retesting changes you made have been maintained with today's date.
- From the **Add/edit screen**, change the expiration date on the panel to one that is now in date. From the **search screen,** print the selected cells either from the Preview Selected Cells button or by opening the Selected Cells Worksheet in the Panel menu. Compare the first printout to the second one and look to see if the OOD designation no longer appears on every cell of the "date-altered" panel.
- Save all printouts and document any inconsistency.

Scenario 9

- Using the Add/edit screen, clear the page as if to enter a new cell. Go to the Rh-Hr drop box and select a Weiner phenotype. Check to see if the antigen typing results that appear are correct for the phenotype selected.
- Create cell entries starting with RH1 through RH36 with a common lot number to prove that all the Weiner phenotypes produce the correct cell typings in the Rh-Hr section of the common typings.
- When a typing does not appear and there is a flag stating no typing results are associated with the phenotype, print screen to confirm.
- Print the panel by lot number and review for any discrepancies. Document findings.

Scenario 10

- On the search screen choose Select Patient and enter name, dob, and identification number for a patient.
- Create a panel to exclude anti-E and save the panel using the **save selected panel** with a panel number 1**.** Print the Results Worksheet before closing it.
- On the search screen, select **clear selected cells**. The number of cells selected at the bottom of the Search screen should now read 0. Do print screen to document.
- Go to the panel menu, drop the box and select **load selected panel**. Choose the panel saved and click on load. The number of cells selected at the bottom of the Search screen should now read the same as contained in the panel printout from the first step.
- Print out the screen and document any unexpected findings.
- On the search screen, select clear selected cells, then repeat the steps above using a new patient name, dob, and identification number and saving the panel with the number 2.

Scenario 11

- Change the status of one of the panels in stock from liquid to frozen by using the frozen button on the Add/edit screen. Each cell must be changed individually. Save the change.
- Go to the Search screen and do a search for frozen cells only. The entire lot # of cells frozen should be presented for selection.
- Select them all and print the select cell panel resulting from the search. All cells should be marked FZN. No other cells should be presented in the search.
- Switch to the Results panel and print a copy. All cells in the Results Worksheet should still carry the FZN designation in the far left column.
- Document any inconsistencies.

Scenario 12

- Using selected panel # 1 from Scenario10, above, Fill in results in the IAT column for 3 specificities (i.e. -K, -Le^a, -Fy^a : 1 that is destroyed by enzymes, 1 by DTT & 1 not affected).
- Fill in the appropriately altered results in the ENZ column and the DTT column.
- Print the results worksheet to include all the Evaluations.
- Manually assess the Evaluations for correctness according to the Exclusion Policy located under Help. Document any discrepancies.
- Manually count the total number of examples of each time an antigen has been found non-reactive. Document any discrepancy.
- Clear selected cells

Scenario 13

- On the search screen choose Select Patient and enter name, dob, and identification number for a patient.
- Create a panel with heterozygous positive specificities for K+/k+, Kp^a+/Kp^b+, and Js^a+/Js^b+, one example of each.
- Add three more cells with homozygous specificities for K+/k-, Kp^a+/Kp^b-, and Js^a+/Js^b-, one example of each.
- In the IAT and ENZ columns, enter a negative result for each of the heterozygous entries.
- Print the results worksheet to include all the Evaluations
- In the IAT and ENZ columns, enter a positive result for each of the homozygous entries.
- Print the results worksheet again to include all the Evaluations.
- Manually count the total number of examples of each time an antigen has been found non-reactive in both printouts. Document any discrepancy.
- Choose the View menu for the Results worksheet and verify that technologist and testing date for the result columns match the information on the print out
- Save the selected panel with results numbering it 3.
- Clear selected cells

Scenario 14

- Select a lot number that appears on the print out for saved panel 3 and find it on the Maintain Lots screen.
- Attempt to delete that lot
- Verify that you may not delete a lot that has been used in saved work.

Scenario 15

- Log out and back in as a full user.
- From the Panel menu load saved panel 3 and review it
- Confirm that after review, no results can be entered then uncheck review
- Enter results in column A and check technologist change in the View menu
- Save the panel and print the results worksheet
- Verify that the review appears in Panel History and that prior iterations can be called up from there
- Clear selected cells

Scenario 16

- Log out and back in as an administrator.
- From the Panel menu load saved panel 3 and add second review.
- Save the panel
- Verify that both reviews appears in Panel History
- Confirm that after review, no results can be entered then uncheck review
- Clear selected cells
- From the Panel menu load saved panel 3 and uncheck both reviews
- Add a result in any column and save the panel.
- Verify that the old reviewed panel appears in Panel History and that it can be called up from there
- Clear selected cells

Scenario 17

- Log out and back in as a read-only user
- Confirm that you have read only ability by attempting save selected cells
- Log out and back in as a save panels user
- Confirm that you cannot review a saved panel, but can save one—check Panel History to verify.

Scenario 18

This installation disk (or Validation database in the Cloud version) contains sample lots for validation testing. These are the same lots used for our internal unit testing, and are carefully selected to exercise all parts of the evaluation code.
To use these files:

1. Use the File > Import Data command in Antigen Plus to import the .PNL files in this folder (this step is not necessary for the Cloud version).
2. Search for one of the lots by name, select all cells, and open the Results Worksheet from the Panel menu.
3. Enter the same test results in Antigen Plus that you see in corresponding Test Panel image reproduced below (pp 12-31).
4. Verify that the rule-out counts and evaluation text are the same as in the image.
5. Close the Results Worksheet and clear the selected cells.
6. Repeat steps 2-6 for the other lots.

9.0 INTERPRETATION

Acceptable result criteria:

1. There will be no difference between the supplier antigram and the program printout by lot # once the panel has been transferred electronically into the Antigen Plus database.
2. Once marked out-of-stock, the cell(s) with the low incidence antigen should not appear in a Search or on the panel printed by lot number.
3. Once deleted, there should be no record of the donor # in the program.
4. Once deleted, there should be no record of the panel lot # in the program.
5. All identical data should be reproduced in exactly the same manner and contain identical information if selected in exactly the same manner.
6. Cell information must be identical whether the cell appears on a lot # panel or on a Result panel. All print functions should print the information required in the correct format and there must be no altering of data between formats.
7. The out-of-date designation will appear when appropriate and be noted on the results panel and on the Search screen.
8. All Weiner phenotypes will produce the correct antigen types when selected.
9. The data in the original printout and the data in the printout produced from the same panel being saved and reloaded will be identical.
10. Only frozen cells will appear in the search results and the printout will carry the FZN designation for each frozen cell. The results panel used to test these cells will also show the FZN designation.
11. The Evaluations must be correct according to the Exclusion Policy located under Help. Specifically, there may be no exclusions of -K under DTT testing, and no exclusion of -Fy^a under ENZ testing.

12. The Evaluations must show that for Scenario 13, in the first printout K, Kp^a and Js^a were properly ruled out and accurately counted, and that in the second printout none of these were ruled out.
13. All patient data will be maintained with saved panels
14. Only an administrator can remove someone else's review or edit patient data.
15. Testing history is be maintained by user and date accessible in the Results Worksheet View Menu under Technologists and Panel History
16. All test panel results should agree with the images provided.

10.0 RESULT REPORTING

All documentation produced by the validation scenarios will be saved as part of the program's validation record.

11.0 LIMITATIONS

As with any software program, it is only as good as the staff that maintains it. Maintenance is critical to the function of the program.

A hazard analysis will be developed based on all information gained while performing the program validation in the laboratory setting.

12.0 REFERENCES

AABB Technical Manual, 17th Edition, (ch 16: pg 470-1)

Standards for Immunohematology Reference Laboratories, 6th edition. Bethesda, MD: The data in the original printout and the data in the printout produced from the same panel being saved and reloaded will be identical.

Standards for Blood Banks and Transfusion Services, 26th edition. Bethesda, MD: American Association of Blood Banks, 2009.

User's Manual, Version 7.5, Antigen Plus. Rowny Systems Inc. Gaithersburg, MD: 2013.

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DATE

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Signatures on file

WORK RECORD

PERFORMED BY	DATE
REVIEWED	DATE
ACCEPTED BY	DATE

SIGNATURES ON FILE.

Test Panel 1-- All Negative

Selected Panel Test Results

File View Help

Panel AllNegative

Select Patient...

Review 1

Review 2 Current User: samalone

Click in Results Box to indicate test outcome.

	Supplier/ Lot #	Donor/ RhHr-Vial	Rh-Hr D	C	E	c	e	f	V	C^w	Kell K	k	Kp^a	Kp^b	Js^a	Js^b	Duffy Fy^a	Fy^b	Kidd Jk^a	Jk^b	Lewis Le^a	Le^b	MN M	N	S	s	P P1	Luth Lu^a	Lu^b	Sex Xg^a	Wr Wr^a	Additional Antigens	IAT	Enz	DTT	A	B	C	D
1	Validati AllNegative	Donor80 #1	+	+	0	0	+		0	0	+	0	+	0	+	+	+	0	+	+	0	+	0	+	0	+	0	0	+	0			0^{1+}	0^{1+}	0^{1+}	0			
2	Validati AllNegative	Donor81 #2	+	+	0	0	+		0	+	0	+	0	+	0	+	+	0	0	+	+	0	+	+	+	+	+	0	+	+			0^{1+}	0^{1+}	0^{1+}	0			
3	Validati AllNegative	Donor82 #3	+	0	+	+	0		0	0	0	+	0	+	0	+	0	+	+	+	0	+	0	+	0	+	+	+	+	+			0^{1+}	0^{1+}	0^{1+}	0			
4	Validati AllNegative	Donor83 #4	+	0	0	+	+		+	0	0	+	0	+	0	+	0	0	+	0	0	+	+	0	+	0	+	0	+	0			0^{1+}	0^{1+}	0^{1+}	0			
5	Validati AllNegative	Donor84 #5	0	+	0	+	+		0	0	0	+	0	+	0	+	0	+	+	+	+	0	+	0	+	+	+	0	+	0			0^{1+}	0^{1+}	0^{1+}	0			
6	Validati AllNegative	Donor85 #6	0	0	+	+	+		0	0	0	+	0	+	0	+	0	+	0	+	+	0	+	+	0	+	+	0	+	+			0^{1+}	0^{1+}	0^{1+}	0			
7	Validati AllNegative	Donor86 #7	0	0	0	+	+		0	0	+	+	0	+	0	+	0	+	+	0	0	+	+	0	+	+	+	0	+	+			0^{1+}	0^{1+}	0^{1+}	0			
8	Validati AllNegative	Donor87 #8	0	0	0	+	+		0	0	0	+	0	+	0	+	+	0	+	+	+	0	+	+	0	+	0	0	+	0			0^{1+}	0^{1+}	0^{1+}	0			
9	Validati AllNegative	Donor88 #9	0	0	0	+	+		0	0	0	+	0	+	0	+	0	+	0	+	0	+	0	+	0	+	+	0	+	+			0^{1+}	0^{1+}	0^{1+}	0			
10	Validati AllNegative	Donor89 #10	+	+	0	0	+		0	0	+	+	0	+	0	+	0	+	+	+	0	+	+	+	0	+	+	0	+	+			0^{1+}	0^{1+}	0^{1+}	0			
11	Validati AllNegative	Donor90 #11	+	0	+	+	+		0	0	0	+	0	+	0	+	0	0	+	+	+	0	+	0	+	+	+	0	+	+			0^{1+}	0^{1+}	0^{1+}	0			
	Auto Control																																						

			Rh-Hr D	C	E	c	e	f	V	C^w	Kell K	k	Kp^a	Kp^b	Js^a	Js^b	Duffy Fy^a	Fy^b	Kidd Jk^a	Jk^b	Lewis Le^a	Le^b	MN M	N	S	s	P P1	Luth Lu^a	Lu^b	Sex Xg^a	Wr Wr^a
	Homozygous Rule Outs	Double Dose	6	3	1	7	8	0	1	1	0	9	0	11	0	11	3	6	2	3	5	6	3	3	1	7	*	0	10	*	
	Heterozygous Rule Outs	Single Dose		0	0						2		0		0		0		0		0		0		0			1			

There is no exclusion in this panel for these antigens

Evaluation:

IAT: Can Not Exclude f, Kpa, Jsa
Enz: Can Not Exclude f, Kpa, Jsa, Fya, Fyb, M, N, S, s
DTT: Can Not Exclude f, K, k, Kpa, Kpb, Jsa, Jsb, Lua, Lub
Column A: Can Not Exclude f, Kpa, Jsa
These are tentative rule-outs.
Additional confirmatory data based on your own criteria are recommended.
*P1 rule-outs: 7 (need at least 3 negative reactions (9 found) for P1+)
*Xga rule-outs: 5 (need at least 3 negative reactions (7 found) for Xga+)

Test Panel 2-- All Negative 2

Selected Panel Test Results

File View Help

Panel AllNegative2

Select Patient...

Review 1

Review 2 Current User: samalone

Click in Results Box to indicate test outcome.

	Supplier/ Lot #	Donor/ RhHr-Vial	Rh-Hr D	C	E	c	e	f	V	C^w	Kell K	k	Kp^a	Kp^b	Js^a	Js^b	Duffy Fy^a	Fy^b	Kidd Jk^a	Jk^b	Lewis Le^a	Le^b	MN M	N	S	s	P P1	Luth Lu^a	Lu^b	Sex Xg^a	Wr Wr^a	Additional Antigens	IAT	Enz	DTT	A	B	C	D
1	Validati AllNegative2	Donor91 #1	+	0	+	+	0		0	0	0	+	+	+	0	+	+	+	+	+	+	0	+	0	+	0	+	0	+	0			0^{1+}	0^{1+}	0^{1+}	0			
2	Validati AllNegative2	Donor92 #2	+	0	0	+	+	+	+	0	0	+	0	+	+	+	0	0	+	0	0	0	0	+	0	+	+	0	+	+			0^{1+}	0^{1+}	0^{1+}	0			
	Auto Control																																						

			Rh-Hr D	C	E	c	e	f	V	C^w	Kell K	k	Kp^a	Kp^b	Js^a	Js^b	Duffy Fy^a	Fy^b	Kidd Jk^a	Jk^b	Lewis Le^a	Le^b	MN M	N	S	s	P P1	Luth Lu^a	Lu^b	Sex Xg^a	Wr Wr^a
	Homozygous Rule Outs	Double Dose	2	0	1	2	1	1	1	0	0	2	0	1	0	1	0	0	1	0	1	0	1	1	1	1	*	0	2	*	
	Heterozygous Rule Outs	Single Dose		0	0						0		1		1		0		0		0		0		0			0			

There is no exclusion in this panel for these antigens

Evaluation:

IAT: Can Not Exclude C, Cw, K, Fya, Fyb, Jkb, Leb, P1, Lua, Xga
Enz: Can Not Exclude C, Cw, K, Fya, Fyb, Jkb, Leb, P1, M, N, S, s, Lua, Xga
DTT: Can Not Exclude C, Cw, K, k, Kpa, Kpb, Jsa, Jsb, Fya, Fyb, Jkb, Leb, P1, Lua, Lub, Xga
Column A: Can Not Exclude C, Cw, K, Fya, Fyb, Jkb, Leb, P1, Lua, Xga
These are tentative rule-outs.
Additional confirmatory data based on your own criteria are recommended.
*P1 rule-outs: 0 (need at least 3 negative reactions (2 found) for P1+)
*Xga rule-outs: 0 (need at least 3 negative reactions (1 found) for Xga+)

Test Panel 3-- All Negative 3

Selected Panel Test Results

File View Help

Panel AllNegative3 — Review 1 — Review 2 — Current User: samalone

Select Patient... — Click in Results Box to indicate test outcome.

	Supplier/ Lot #	Donor/ RhHr-Vial	Rh-Hr								Kell						Duffy		Kidd		Lewis		MN				P	Luth		Sex	Wr	Additional Antigens	IAT	Enz	DTT	A	B	C	D
			D	C	E	c	e	f	V	C^w	K	k	Kp^a	Kp^b	Js^a	Js^b	Fy^a	Fy^b	Jk^a	Jk^b	Le^a	Le^b	M	N	S	s	P1	Lu^a	Lu^b	Xg^a	Wr^a								
1	Validati AllNegative3	Donor93 #1	+	+	0	0	+		0	0	0	+	0	+	0	+	+	0	+	+	0	+	0	+	0	+	0	0	+	0				0^{1+}	0^{1+}	0^{1+}	0			
2	Validati AllNegative3	Donor94 #2	+	+	0	0	+		0	+	0	+	0	+	0	+	+	0	0	+	+	0	+	+	+	+	+	0	+	+				0^{1+}	0^{1+}	0^{1+}	0			
3	Validati AllNegative3	Donor95 #3	+	0	+	+	0		0	0	0	+	0	+	0	+	0	+	+	+	0	+	0	+	0	+	+	+	+	+				0^{1+}	0^{1+}	0^{1+}	0			
4	Validati AllNegative3	Donor96 #4	+	0	0	+	+		+	0	0	+	0	+	0	+	0	0	+	0	0	+	+	0	+	0	+	0	+	0				0^{1+}	0^{1+}	0^{1+}	0			
5	Validati AllNegative3	Donor97 #5	0	+	0	+	+		0	0	0	+	0	+	0	+	0	+	+	+	+	0	+	0	+	+	+	0	+	0				0^{1+}	0^{1+}	0^{1+}	0			
6	Validati AllNegative3	Donor98 #6	0	0	+	+	+		0	0	0	+	0	+	0	+	0	+	0	+	+	0	+	+	0	+	+	0	+	+				0^{1+}	0^{1+}	0^{1+}	0			
7	Validati AllNegative3	Donor99 #7	0	0	0	+	+		0	0	+	+	0	+	0	+	0	+	+	0	0	+	+	+	0	+	+	0	+	+				0^{1+}	0^{1+}	0^{1+}	0			
8	Validati AllNegative3	Donor100 #8	0	0	0	+	+		0	0	0	+	0	+	0	+	+	0	+	+	+	0	+	+	0	+	0	0	+	0				0^{1+}	0^{1+}	0^{1+}	0			
9	Validati AllNegative3	Donor101 #9	0	0	0	+	+		0	0	0	+	0	+	0	+	0	+	0	+	0	+	0	+	0	+	+	0	+	+				0^{1+}	0^{1+}	0^{1+}	0			
10	Validati AllNegative3	Donor102 #10	+	+	0	0	+		0	0	+	+	0	+	0	+	0	+	+	+	0	+	+	+	0	+	+	0	+	+				0^{1+}	0^{1+}	0^{1+}	0			
11	Validati AllNegative3	Donor103 #11	+	0	+	+	+		0	0	0	+	0	+	0	+	0	0	+	+	+	0	+	0	+	+	+	0	+	+				0^{1+}	0^{1+}	0^{1+}	0			
12	Validati AllNegative3	Donor104 #12	+	0	+	+	0		0	0	0	+	+	+	0	+	+	+	+	+	+	0	+	0	+	0	+	0	+	0				0^{1+}	0^{1+}	0^{1+}	0			

			Rh-Hr								Kell						Duffy		Kidd		Lewis		MN				P	Luth		Sex	Wr
			D	C	E	c	e	f	V	C^w	K	k	Kp^a	Kp^b	Js^a	Js^b	Fy^a	Fy^b	Jk^a	Jk^b	Le^a	Le^b	M	N	S	s	P1	Lu^a	Lu^b	Xg^a	Wr^a
	Homozygous Rule Outs	Double Dose	8	3	2	9	9	1	2	1	0	11	0	12	0	12	3	6	3	3	6	6	4	4	2	8	*	0	12	*	
	Heterozygous Rule Outs	Single Dose		0	0						2		1		1		0		0		0		0		0			1			

Evaluation:

No specificity detected. Review sample identification and patient history.
Retest if required.
***P1 rule-outs: 9 (need at least 3 negative reactions (11 found) for P1+)**
***Xga rule-outs: 6 (need at least 3 negative reactions (8 found) for Xga+)**

Test Panel 4—AllPosAutoPos

Selected Panel Test Results

File View Help

Panel Anti_D

Select Patient...

Review 1

Review 2 Current User: samalone

Click in Results Box to indicate test outcome.

	Supplier/ Lot #	Donor/ RhHr-Vial	Rh-Hr								Kell						Duffy		Kidd		Lewis		MN			P	Luth		Sex	Wr	Additional Antigens	IAT	Enz	DTT	A	B	C	D
			D	C	E	c	e	f	V	C^w	K	k	Kp^a	Kp^b	Js^a	Js^b	Fy^a	Fy^b	Jk^a	Jk^b	Le^a	Le^b	M	N	S	s	P1	Lu^a	Lu^b	Xg^a	Wr^a							
1	Validati Anti_D	Donor15 #1	+	+	0	0	+		0	+	0	+	0	+	0	+	0	+	0	+	0	+	0	+	0	+	+	0	+	+			2+						
2	Validati Anti_D	Donor16 #2	0	0	0	+	+		0	0	+	+	0	+	0	+	+	0	+	0	+	0	0	+	+	+	+	0	+	0			0^{1+}						
3	Validati Anti_D	Donor17 #3	+	+	0	0	+		0	+	+	+	0	+	0	+	+	0	+	+	0	+	+	0	0	+	+	0	+	0			2+						
4	Validati Anti_D	Donor18 #4	+	0	+	+	0		0	0	0	+	0	+	0	+	0	+	0	+	+	0	+	+	+	+	0	0	+	+			2+						
5	Validati Anti_D	Donor19 #5	0	0	0	+	+		0	0	0	+	+	+	0	+	+	w	+	0	0	+	+	+	+	0	0	0	+	0			0^{1+}						
6	Validati Anti_D	Donor20 #6	0	0	0	+	+		0	0	+	+	0	+	0	+	+	+	0	+	+	0	0	+	+	0	+	+	+	0			0^{1+}						
7	Validati Anti_D	Donor21 #7	0	+	0	+	+	+	0	0	0	+	0	+	0	+	+	+	+	+	+	0	+	0	+	+	+	0	+	0			0^{1+}						
8	Validati Anti_D	Donor22 #8	0	0	+	+	+	+	0	0	0	+	0	+		+	0	0	+	0	0	0	+	0	0	+	s	0	+	+			0^{1+}						
9	Validati Anti_D	Donor23 #9	0	0	0	+	+	+	0	0	0	+	0	+		+	+	0	+	0	0	+	+	0	+	0	+	0	+	+			0^{1+}						
10	Validati Anti_D	Donor24 #10	0	+	0	+	+	+	0	0	0	+	0		0		+	+	+	+	0	+	+	+	0	+	w	0	+	+			0^{1+}						
11	Validati Anti_D	Donor25 #11	0	0	+	+	+	+		0	0	+	0		0		0	+	0	+	0	+	+	0	0	+	+	0	+	0			0^{1+}						
12	Validati Anti_D	Donor26 #12	0	0	0	+	+		+	0	0	+	0	+	+	+	+	0	+	+	+	0	+	+	0	+	+	0	+	0			0^{1+}						
	Auto Control																																						
			Rh-Hr								Kell						Duffy		Kidd		Lewis		MN			P	Luth		Sex	Wr							
			D	C	E	c	e	f	V	C^w	K	k	Kp^a	Kp^b	Js^a	Js^b	Fy^a	Fy^b	Jk^a	Jk^b	Le^a	Le^b	M	N	S	s	P1	Lu^a	Lu^b	Xg^a	Wr^a							
	Homozygous Rule Outs	Double Dose	0	0	0	7	7	5	1	0	0	7	0	8	0	6	3	1	4	2	4	4	4	2	3	4	*	0	8	*									
	Heterozygous Rule Outs	Single Dose		2	2						2		1		1		0		0		0		0		0			1											

Evaluation:

IAT: Can Not Exclude D, Cw
These are tentative rule-outs.
Additional confirmatory data based on your own criteria are recommended.
***P1 rule-outs: 6 (need at least 3 negative reactions (8 found) for P1+)**
***Xga rule-outs: 1 (need at least 3 negative reactions (3 found) for Xga+)**

Test Panel 5—AllPositive

Selected Panel Test Results

File View Help

Panel AllPositive

Select Patient...

Review 1

Review 2 Current User: samalone

Click in Results Box to indicate test outcome.

	Supplier/ Lot #	Donor/ RhHr-Vial	Rh-Hr								Kell						Duffy		Kidd		Lewis		MN				P	Luth		Sex	Wr	Additional Antigens	IAT	Enz	DTT	A	B	C	D
			D	C	E	c	e	f	V	C^w	K	k	Kp^a	Kp^b	Js^a	Js^b	Fy^a	Fy^b	Jk^a	Jk^b	Le^a	Le^b	M	N	S	s	P1	Lu^a	Lu^b	Xg^a	Wr^a								
1	Validati AllPositive	Donor69 #1	+	+	+	0	+		0	0	0	+	0	+	0	+	0	+	+	+	0	+	+	0	+	0	0	0	0	+	+			2+						
2	Validati AllPositive	Donor70 #2	+	+	0	0	+		0	+	0	+	0	+	0	+	0	+	0	+	+	0	+	+	+	+	+	0	+	0	+	+								
3	Validati AllPositive	Donor71 #3	+	0	+	+	0		0	0	0	+	0	+	0	+	+	0	+	0	0	+	0	+	0	+	+	0	+	0	+	+			2+						
4	Validati AllPositive	Donor72 #4	+	0	0	+	+		0	0	0	+	0	+	+	+	0	0	+	0	0	0	0	+	+	+	+	0	+	0	+	0			2+						
5	Validati AllPositive	Donor73 #5	0	+	0	+	+		0	0	+	+	0	+	0	+	0	+	+	0	0	+	+	0	+	0	+	0	+	+	+	+			2+						
6	Validati AllPositive	Donor74 #6	0	0	+	+	+		0	0	+	+	0	+	0	+	0	+	0	+	0	+	0	+	0	+	+	0	+	+	+	+			2+						
7	Validati AllPositive	Donor75 #7	0	0	0	+	+		0	0	+	+	0	+	0	+	0	+	0	+	0	+	+	+	+	+	+	0	+	+	+	+			2+						
8	Validati AllPositive	Donor76 #8	0	0	0	+	+		0	0	0	+	0	+	0	+	+	0	0	+	0	+	+	+	+	+	+	+	+	+	+	0			2+						
9	Validati AllPositive	Donor77 #9	0	0	0	+	+		+	0	0	+	0	+	+	+	+	0	+	+	+	0	+	+	0	+	+	0	+	0	+	0			2+						
10	Validati AllPositive	Donor78 #10	0	0	+	+	+		0	0	0	+	0	+	0	+	0	0	+	+	0	0	+	+	0	+	0	0	+	+					2+						
11	Validati AllPositive	Donor79 #11	+	0	0	+	+		0	0	0	+	0	+	0	+	0	+	+	0	+	0	+	+	+	0	+	0	+	+					2+						
	Auto Control																																						

			Rh-Hr								Kell						Duffy		Kidd		Lewis		MN				P	Luth		Sex	Wr
			D	C	E	c	e	f	V	C^w	K	k	Kp^a	Kp^b	Js^a	Js^b	Fy^a	Fy^b	Jk^a	Jk^b	Le^a	Le^b	M	N	S	s	P1	Lu^a	Lu^b	Xg^a	Wr^a
	Homozygous Rule Outs	Double Dose	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Heterozygous Rule Outs	Single Dose		0	0						0		0		0		0		0		0		0		0			0			

There is no exclusion in this panel for these antigens

Evaluation:

NO ANTIGENS CAN BE RULED OUT AS ALL CELLS TESTED ARE REACTIVE WITH THE PATIENT'S PLASMA. SEE TECH TIPS FOR FURTHER TESTING SUGGESTIONS.
These are tentative rule-outs.
Additional confirmatory data based on your own criteria are recommended.
***P1 rule-outs: 0 (need at least 3 negative reactions (0 found) for P1+)**
***Xga rule-outs: 0 (need at least 3 negative reactions (0 found) for Xga+)**

Test Panel 6—Anti_D

Selected Panel Test Results

File View Help

Panel AllPosAutoPos

Select Patient...

Review 1

Review 2 Current User: samalone

Click in Results Box to indicate test outcome.

	Supplier/ Lot #	Donor/ RhHr-Vial	Rh-Hr								Kell						Duffy		Kidd		Lewis		MN				P	Luth		Sex	Wr	Additional Antigens	IAT	Enz	DTT	A	B	C	D
			D	C	E	c	e	f	V	C^w	K	k	Kp^a	Kp^b	Js^a	Js^b	Fy^a	Fy^b	Jk^a	Jk^b	Le^a	Le^b	M	N	S	s	P1	Lu^a	Lu^b	Xg^a	Wr^a								
1	Validati AllPosAutoPos	Donor186 #1	+	+	0	0	+		0	0	0	+	0	+	0	+	+	0	+	+	0	+	0	+	0	+	0	0	+	0			1+						
2	Validati AllPosAutoPos	Donor187 #2	+	+	0	0	+		0	+	0	+	0	+	0	+	+	0	0	+	+	0	+	+	+	+	+	0	+	+			1+						
3	Validati AllPosAutoPos	Donor188 #3	+	0	+	+	0		0	0	0	+	0	+	0	+	0	+	+	+	0	+	0	+	0	+	+	+	+	+			1+						
4	Validati AllPosAutoPos	Donor189 #4	+	0	0	+	+		+	0	0	+	0	+	0	+	0	0	+	0	0	+	+	0	+	0	+	0	+	0			1+						
5	Validati AllPosAutoPos	Donor190 #5	0	+	0	+	+		0	0	0	+	0	+	0	+	0	+	+	+	+	0	+	0	+	+	+	0	+	0			1+						
6	Validati AllPosAutoPos	Donor191 #6	0	0	+	+	+		0	0	0	+	0	+	0	+	0	+	0	+	+	0	+	+	0	+	+	0	+	+			1+						
7	Validati AllPosAutoPos	Donor192 #7	0	0	0	+	+		0	0	+	+	0	+	0	+	0	+	+	0	0	+	+	+	0	+	+	0	+	+			1+						
8	Validati AllPosAutoPos	Donor193 #8	0	0	0	+	+		0	0	0	+	0	+	0	+	+	0	+	+	+	0	+	+	0	+	0	0	+	0			1+						
9	Validati AllPosAutoPos	Donor194 #9	0	0	0	+	+		0	0	0	+	0	+	0	+	0	+	0	+	0	+	0	+	0	+	+	0	+	+			1+						
10	Validati AllPosAutoPos	Donor195 #10	+	+	0	0	+		0	0	+	+	0	+	0	+	0	+	+	+	0	+	+	+	0	+	+	0	+	+			1+						
11	Validati AllPosAutoPos	Donor196 #11	+	0	+	+	+		0	0	0	+	0	+	0	+	0	0	+	+	+	0	+	0	+	+	+	0	+	+			1+						
	Auto Control																																2+						

			Rh-Hr								Kell						Duffy		Kidd		Lewis		MN				P	Luth		Sex	Wr
			D	C	E	c	e	f	V	C^w	K	k	Kp^a	Kp^b	Js^a	Js^b	Fy^a	Fy^b	Jk^a	Jk^b	Le^a	Le^b	M	N	S	s	P1	Lu^a	Lu^b	Xg^a	Wr^a
	Homozygous Rule Outs	Double Dose	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Heterozygous Rule Outs	Single Dose		0	0						0		0		0		0		0		0		0		0			0			

There is no exclusion in this panel for these antigens

Evaluation:

NO ANTIGENS CAN BE RULED OUT AS ALL CELLS TESTED ARE REACTIVE WITH THE PATIENT'S PLASMA. SEE TECH TIPS FOR FURTHER TESTING SUGGESTIONS.
These are tentative rule-outs.
Additional confirmatory data based on your own criteria are recommended.
Auto Control Warning: Possible autoantibody present.
Do DAT to determine if sensitization occurred in vivo or in vitro.
***P1 rule-outs: 0 (need at least 3 negative reactions (0 found) for P1+)**

Test Panel 7—Anti_E_Cw_gel

Selected Panel Test Results

File View Help

Panel Anti_E_Cw_Gel

Select Patient...

Review 1

Review 2 Current User: samalone

Click in Results Box to indicate test outcome.

	Supplier/ Lot #	Donor/ RhHr-Vial	Rh-Hr								Kell						Duffy		Kidd		Lewis		MN				P	Luth		Sex	Wr	Additional Antigens	IAT	Enz	DTT	A	B	C	D
			D	C	E	c	e	f	V	C^w	K	k	Kp^a	Kp^b	Js^a	Js^b	Fy^a	Fy^b	Jk^a	Jk^b	Le^a	Le^b	M	N	S	s	P1	Lu^a	Lu^b	Xg^a	Wr^a								
1	Validati Anti_E_Cw_Gel	Donor172 #1	+	+	0	0	+		0	+	0	+	0	+	0	+	0	+	0	+	0	+	0	+	0	+	+	0	+	+						3+			
2	Validati Anti_E_Cw_Gel	Donor173 #2	+	0	+	+	0		0	0	+	+	0	+	0	+	+	+	+	0	0	0	+	+	+	+	+	+	+	0						4+			
3	Validati Anti_E_Cw_Gel	Donor174 #3	+	+	0	+	+	+	0	0		+	0	+	0	+	+	0	+	0	0	+	+	+	+	+	0	+	+	+						0			
4	Validati Anti_E_Cw_Gel	Donor175 #4	0	0	0	+	+	+	0	0	0	+	0	+	0	+	+	+	+	+	+	0	+	+	+	+	+		+	+						0			
5	Validati Anti_E_Cw_Gel	Donor176 #5	+	+	0	+	+	+	0	+	+	0	0	+	0	+	+	+	+	0	0	+	0	+	0	+	0	+	+	+						3+			
6	Validati Anti_E_Cw_Gel	Donor177 #6	+	+	0	0	+	0	0	0	0	+	+	0	0	+	+	+	+	+	0	+	+	+	+	+	+	0	+	+						0			
7	Validati Anti_E_Cw_Gel	Donor178 #7	+	0	+	+	0	0	0	0	0	+	+	0	0	+	+	+	+	+	+	0	+	+	+	+	+	0	+	+						4+			
8	Validati Anti_E_Cw_Gel	Donor179 #8	+	+	0	0	+	0	0	+	0	0	0	+	+	0	0	0	+	0	0	0	0	+	0	+	0	0	+	+						3+			
9	Validati Anti_E_Cw_Gel	Donor180 #9	+	0	0	+	+	+	+	0	0	+	0	+	+	+	0	0	+	0	0	0	0	+	0	+	+	0	+	+						0			
10	Validati Anti_E_Cw_Gel	Donor181 #10	0	0	0	+	+	+	0	0	+	+	0	+	0	+	0	+	0	+	+	0	+	+	0	+	0	0	+	+						0			
11	Validati Anti_E_Cw_Gel	Donor182 #11	0	0	+	+	+	+	0	0	0	+	0	+	0	+	+	0	+	0	0	+	+	+	0	+	+	+	+	+						3+			
12	Validati Anti_E_Cw_Gel	Donor183 #12	+	+	0	0	+		0	0	+	+	0	+	0	+	0	+	0	+	0	+	+	+	0	+	+	0	+	+						0			
13	Validati Anti_E_Cw_Gel	Donor184 #13	+	+	+	+	+		0	0	0	+	0	+	0	+	+	0	+	+	0	+	0	+	+	+	0	+	0	+						3+			
14	Validati Anti_E_Cw_Gel	Donor185 #14	+	+	0	0	+		0	0	+	+	0	+	0	+	+	+	+	0	+	0	+	0	+	0	0	0	+	+						0			
	Auto Control																																						

			Rh-Hr								Kell						Duffy		Kidd		Lewis		MN				P	Luth		Sex	Wr
			D	C	E	c	e	f	V	C^w	K	k	Kp^a	Kp^b	Js^a	Js^b	Fy^a	Fy^b	Jk^a	Jk^b	Le^a	Le^b	M	N	S	s	P1	Lu^a	Lu^b	Xg^a	Wr^a
	Homozygous Rule Outs	Double Dose	5	3	0	3	7	4	1	0	0	3	1	6	0	6	1	2	3	2	3	3	1	1	1	3	*	0	5	*	
	Heterozygous Rule Outs	Single Dose		0	0						0		0		0		0		0		0		0		0			1			

Evaluation:

Column A: Can Not Exclude E, Cw, K, Jsa
These are tentative rule-outs.
Additional confirmatory data based on your own criteria are recommended.
***P1 rule-outs: 2 (need at least 3 negative reactions (4 found) for P1+)**
***Xga rule-outs: 5 (need at least 3 negative reactions (7 found) for Xga+)**

Test Panel 8—Anti_E_K_Fya

Selected Panel Test Results

File View Help

Panel Anti_E_K_Fya_DTT

Select Patient...

Review 1

Review 2 Current User: samalone

Click in Results Box to indicate test outcome.

	Supplier/ Lot #	Donor/ RhHr-Vial	Rh-Hr								Kell						Duffy		Kidd		Lewis		MN				P	Luth		Sex	Wr	Additional Antigens	IAT	Enz	DTT	A	B	C	D
			D	C	E	c	e	f	V	C^w	K	k	Kp^a	Kp^b	Js^a	Js^b	Fy^a	Fy^b	Jk^a	Jk^b	Le^a	Le^b	M	N	S	s	P1	Lu^a	Lu^b	Xg^a	Wr^a								
1	Validati ti_E_K_Fya_DT	Donor55 #1	+	0	+	+	0		0	0	0	+	0	+	0	+	0	+	0	+	+	0	+	+	+	+	0	0	+	+					2+				
2	Validati ti_E_K_Fya_DT	Donor56 #2	+	+	0	0	+		0	0	0	+	0	+	0	+	0	+	+	+	+	0	+	0	+	0	+	0	+	+					0^{1+}				
3	Validati ti_E_K_Fya_DT	Donor57 #3	+	0	+	+	0		0	0	+	+	0	+	0	+	+	+	+	0	0	0	+	+	+	+	+	+	+	0					2+				
4	Validati ti_E_K_Fya_DT	Donor58 #4	+	+	0	0	+		0	+	0	+	0	+	0	+	+	0	0	+	+	0	+	+	+	0	0	0	+	+					2+				
5	Validati ti_E_K_Fya_DT	Donor59 #5	0	0	0	+	+		0	0	0	+	+	+	0	+	0	+	+	0	0	+	0	+	0	+	+	0	+	+					0^{1+}				
6	Validati ti_E_K_Fya_DT	Donor60 #6	0	0	0	+	+		0	0	+	+	0	+	0	+	0	+	+	+	+	0	+	+	+	0	+	0	+	0					0^{1+}				
7	Validati ti_E_K_Fya_DT	Donor61 #7	+	0	+	+	0		0	0	0	+	0	+	0	+	0	+	+	0	0	+	0	+	+	0	+	0	+	0					2+				
8	Validati ti_E_K_Fya_DT	Donor62 #8	+	+	0	+	+		0	0	0	+	+	+	0	+	+	0	+	0	0	+	+	0	+	0	+	0	+	0					2+				
9	Validati ti_E_K_Fya_DT	Donor63 #9	+	+	0	0	+		0	0	0	+	0	+	0	+	+	0	0	+	0	+	0	+	0	+	0	0	+	+					2+				
10	Validati ti_E_K_Fya_DT	Donor64 #10	+	0	+	+	0		0	0	0	+	0	+	0	+	0	+	+	0	0	+	+	0	+	0	+	0	+	0					2+				
11	Validati ti_E_K_Fya_DT	Donor65 #11	0	0	0	+	+		0	0	+	+	0	+	0	+	0	+	+	+	+	0	0	+	0	+	0	0	+	+					0^{1+}				
12	Validati ti_E_K_Fya_DT	Donor66 #12	+	0	0	+	+	+	+	0	0	+	0	+	+	+	0	0	+	0	0	0	0	+	0	+	+	0	+	+					0^{1+}				
13	Validati ti_E_K_Fya_DT	Donor67 #13	0	0	0	+	+	+	0	0	+	+	0	+	0	+	0	+	0	+	+	0	+	+	0	+	0	0	+	+					0^{1+}				
14	Validati ti_E_K_Fya_DT	Donor68 #14	0	0	0	+	+	+	0	0	0	+	0	+	0	+	0	+	+	0	+	0	+	+	0	+	s	+	+	+					0^{1+}				
	Auto Control																																						

			Rh-Hr								Kell						Duffy		Kidd		Lewis		MN				P	Luth		Sex	Wr
			D	C	E	c	e	f	V	C^w	K	k	Kp^a	Kp^b	Js^a	Js^b	Fy^a	Fy^b	Jk^a	Jk^b	Le^a	Le^b	M	N	S	s	P1	Lu^a	Lu^b	Xg^a	Wr^a
	Homozygous Rule Outs	Double Dose	2	1	0	6	7	3	1	0	0	0	0	0	0	0	0	6	3	1	5	1	1	3	2	5	*	0	0	*	
	Heterozygous Rule Outs	Single Dose		0	0						0		0		0		0		0		0		0		0			0			

Evaluation:

DTT: Can Not Exclude E, Cw, K, k, Kpa, Kpb, Jsa, Jsb, Fya, Lua, Lub
These are tentative rule-outs.
Additional confirmatory data based on your own criteria are recommended.
***P1 rule-outs: 3 (need at least 3 negative reactions (5 found) for P1+)**
***Xga rule-outs: 4 (need at least 3 negative reactions (6 found) for Xga+)**

Test Panel 9—Anti_E_K_Fya_Gel

Selected Panel Test Results

File View Help

Panel Anti_E_K_Fya_Enz

Select Patient...

Review 1

Review 2 Current User: samalone

Click in Results Box to indicate test outcome.

	Supplier/ Lot #	Donor/ RhHr-Vial	Rh-Hr								Kell					Duffy		Kidd		Lewis		MN				P	Luth		Sex	Wr	Additional Antigens	IAT	Enz	DTT	A	B	C	D
			D	C	E	c	e	f	V	C^w	K	k	Kp^a	Kp^b	Js^a	Js^b	Fy^a	Fy^b	Jk^a	Jk^b	Le^a	Le^b	M	N	S	s	P1	Lu^a	Lu^b	Xg^a	Wr^a							
1	Validati ti_E_K_Fya_Er	Donor41 #1	+	0	+	+	0		0	0	0	+	0	+	0	+	0	+	0	+	+	0	+	+	+	+	0	0	+	+				2+					
2	Validati ti_E_K_Fya_Er	Donor42 #2	+	+	0	0	+		0	0	0	+	0	+	0	+	0	+	+	+	+	0	+	0	+	0	+	0	+	+				0^{1+}					
3	Validati ti_E_K_Fya_Er	Donor43 #3	+	0	+	+	0		0	0	+	+	0	+	0	+	+	+	+	0	0	0	+	+	+	+	+	+	+	0				2+					
4	Validati ti_E_K_Fya_Er	Donor44 #4	+	+	0	0	+		0	+	0	+	0	+	0	+	+	0	0	+	+	0	+	+	+	0	0	0	+	+				0^{1+}					
5	Validati ti_E_K_Fya_Er	Donor45 #5	0	0	0	+	+		0	0	0	+	+	+	0	+	0	+	+	0	0	+	0	+	0	+	+	0	+	+				0^{1+}					
6	Validati ti_E_K_Fya_Er	Donor46 #6	0	0	0	+	+		0	0	+	+	0	+	0	+	0	+	+	+	+	0	+	+	+	0	+	0	+	0				2+					
7	Validati ti_E_K_Fya_Er	Donor47 #7	+	0	+	+	0		0	0	0	+	0	+	0	+	0	+	+	0	0	+	0	+	+	0	+	0	+	0				2+					
8	Validati ti_E_K_Fya_Er	Donor48 #8	+	+	0	+	+		0	0	0	+	+	+	0	+	+	0	+	0	0	+	+	0	+	0	+	0	+	0				0^{1+}					
9	Validati ti_E_K_Fya_Er	Donor49 #9	+	+	0	0	+		0	0	0	+	0	+	0	+	+	0	0	+	0	+	0	+	0	+	0	0	+	+				0^{1+}					
10	Validati ti_E_K_Fya_Er	Donor50 #10	+	0	+	+	0		0	0	0	+	0	+	0	+	0	+	+	0	0	+	+	0	+	0	+	0	+	0				2+					
11	Validati ti_E_K_Fya_Er	Donor51 #11	0	0	0	+	+		0	0	+	+	0	+	0	+	0	+	+	+	+	0	0	+	0	+	0	0	+	+				2+					
12	Validati ti_E_K_Fya_Er	Donor52 #12	+	0	0	+	+	+	+	0	0	+	0	+	+	+	0	0	+	0	0	0	0	+	0	+	+	0	+	+				0^{1+}					
13	Validati ti_E_K_Fya_Er	Donor53 #13	0	0	0	+	+	+	0	0	+	+	0	+	0	+	0	+	0	+	+	0	+	+	0	+	0	0	+	+				2+					
14	Validati ti_E_K_Fya_Er	Donor54 #14	0	0	0	+	+	+	0	0	0	+	0	+	0	+	0	+	+	0	+	0	+	+	0	+	s	+	+	+				0^{1+}					
	Auto Control																																					

			Rh-Hr								Kell						Duffy		Kidd		Lewis		MN				P	Luth		Sex	Wr
			D	C	E	c	e	f	V	C^w	K	k	Kp^a	Kp^b	Js^a	Js^b	Fy^a	Fy^b	Jk^a	Jk^b	Le^a	Le^b	M	N	S	s	P1	Lu^a	Lu^b	Xg^a	Wr^a
	Homozygous Rule Outs	Double Dose	5	3	0	3	7	2	1	1	0	7	0	5	0	6	0	0	4	2	3	3	0	0	0	0	*	0	6	*	
	Heterozygous Rule Outs	Single Dose		0	0						0		2		1		0		0		0		0		0			1			

Evaluation:

Enz: Can Not Exclude E, K, Fya, Fyb, M, N, S, s
These are tentative rule-outs.
Additional confirmatory data based on your own criteria are recommended.
***P1 rule-outs: 3 (need at least 3 negative reactions (5 found) for P1+)**
***Xga rule-outs: 4 (need at least 3 negative reactions (6 found) for Xga+)**

Test Panel 10—Anti_E_K_Fya_IAT

Selected Panel Test Results

File View Help

Panel Anti_E_K_Fya_IAT

Review 1

Review 2 Current User: samalone

Select Patient...

Click in Results Box to indicate test outcome.

	Supplier/ Lot #	Donor/ RhHr-Vial	Rh-Hr								Kell						Duffy		Kidd		Lewis		MN				P	Luth		Sex	Wr	Additional Antigens	IAT	Enz	DTT	A	B	C	D
			D	C	E	c	e	f	V	C^w	K	k	Kp^a	Kp^b	Js^a	Js^b	Fy^a	Fy^b	Jk^a	Jk^b	Le^a	Le^b	M	N	S	s	P1	Lu^a	Lu^b	Xg^a	Wr^a							
1	Validati ti_E_K_Fya_IA	Donor27 #1	+	0	+	+	0		0	0	0	+	0	+	0	+	0	+	0	+	+	0	+	+	+	+	0	0	+	+			2+						
2	Validati ti_E_K_Fya_IA	Donor28 #2	+	+	0	0	+		0	0	0	+	0	+	0	+	0	+	+	+	+	0	+	0	+	0	+	0	+	+			0^{1+}						
3	Validati ti_E_K_Fya_IA	Donor29 #3	+	0	+	+	0		0	0	+	+	0	+	0	+	+	+	+	0	0	0	+	+	+	+	+	+	+	0			3+						
4	Validati ti_E_K_Fya_IA	Donor30 #4	+	+	0	0	+		0	+	0	+	0	+	0	+	+	0	0	+	+	0	+	+	+	0	0	0	+	+			2+						
5	Validati ti_E_K_Fya_IA	Donor31 #5	0	0	0	+	+		0	0	0	+	+	+	0	+	0	+	+	0	0	+	0	+	0	+	+	0	+	+			0^{1+}						
6	Validati ti_E_K_Fya_IA	Donor32 #6	0	0	0	+	+		0	0	+	+	0	+	0	+	0	+	+	+	+	0	+	+	+	0	+	0	+	0			2+						
7	Validati ti_E_K_Fya_IA	Donor33 #7	+	0	+	+	0		0	0	0	+	0	+	0	+	0	+	+	0	0	+	0	+	+	0	+	0	+	0			2+						
8	Validati ti_E_K_Fya_IA	Donor34 #8	+	+	0	+	+		0	0	0	+	+	+	0	+	+	0	+	0	0	+	+	0	+	0	+	0	+	0			2+						
9	Validati ti_E_K_Fya_IA	Donor35 #9	+	+	0	0	+		0	0	0	+	0	+	0	+	+	0	0	+	0	+	0	+	0	+	0	0	+	+			2+						
10	Validati ti_E_K_Fya_IA	Donor36 #10	+	0	+	+	0		0	0	0	+	0	+	0	+	0	+	+	0	0	+	+	0	+	0	+	0	+	0			2+						
11	Validati ti_E_K_Fya_IA	Donor37 #11	0	0	0	+	+		0	0	+	+	0	+	0	+	0	+	+	+	+	0	0	+	0	+	0	0	+	+			2+						
12	Validati ti_E_K_Fya_IA	Donor38 #12	+	0	0	+	+	+	+	0	0	+	0	+	+	+	0	0	+	0	0	0	0	+	0	+	+	0	+	+			0^{1+}						
13	Validati ti_E_K_Fya_IA	Donor39 #13	0	0	0	+	+	+	0	0	+	+	0	+	0	+	0	+	0	+	+	0	+	+	0	+	0	0	+	+			2+						
14	Validati ti_E_K_Fya_IA	Donor40 #14	0	0	0	+	+	+	0	0	0	+	0	+	0	+	0	+	+	0	+	0	+	+	0	+	s	+	+	+			0^{1+}						
	Auto Control																																						

			Rh-Hr								Kell						Duffy		Kidd		Lewis		MN				P	Luth		Sex	Wr
			D	C	E	c	e	f	V	C^w	K	k	Kp^a	Kp^b	Js^a	Js^b	Fy^a	Fy^b	Jk^a	Jk^b	Le^a	Le^b	M	N	S	s	P1	Lu^a	Lu^b	Xg^a	Wr^a
	Homozygous Rule Outs	Double Dose	2	1	0	3	4	2	1	0	0	4	0	3	0	3	0	3	3	0	2	1	1	2	1	3	*	0	3	*	
	Heterozygous Rule Outs	Single Dose		0	0						0		1		1		0		0		0		0		0			1			

Evaluation:

IAT: Can Not Exclude E, Cw, K, Fya, Jkb
These are tentative rule-outs.
Additional confirmatory data based on your own criteria are recommended.
***P1 rule-outs: 2 (need at least 3 negative reactions (4 found) for P1+)**
***Xga rule-outs: 2 (need at least 3 negative reactions (4 found) for Xga+)**

Test Panel 11—Anti_Jka

Selected Panel Test Results

File View Help

Panel Anti_Jka

Select Patient...

Review 1

Review 2 Current User: samalone

Click in Results Box to indicate test outcome.

	Supplier/ Lot #	Donor/ RhHr-Vial	Rh-Hr								Kell						Duffy		Kidd		Lewis		MN			P	Luth		Sex	Wr	Additional Antigens	IAT	Enz	DTT	A	B	C	D
			D	C	E	c	e	f	V	C^w	K	k	Kp^a	Kp^b	Js^a	Js^b	Fy^a	Fy^b	Jk^a	Jk^b	Le^a	Le^b	M	N	S	s	P1	Lu^a	Lu^b	Xg^a	Wr^a							
1	Validati Anti_Jka	Donor221 #1	+	+	0	0	+		0	+	0	+	0	+	0	+	0	+	0	+	0	+	0	+	0	+	+	0	+	+			0^{1+}						
2	Validati Anti_Jka	Donor222 #2	+	0	+	+	0		0	0	0	+	+	+	0	+	+	+	+	+	+	0	+	0	+	0	+	0	+	0			0^{1+}						
3	Validati Anti_Jka	Donor223 #3	0	0	0	+	+		0	0	+	+	0	+	0	+	+	0	+	0	+	0	0	+	+	+	+	0	+	0			3+						
4	Validati Anti_Jka	Donor224 #4	+	+	0	0	+		0	+	+	+	0	+	0	+	+	0	+	+	0	+	+	0	0	+	+	0	+	0			0^{1+}						
5	Validati Anti_Jka	Donor225 #5	+	+	0	+	+	+	0	0		+	0	+	0	+	+	0	+	0	0	+	+	+	+	+	0	+	+	+			3+						
6	Validati Anti_Jka	Donor226 #6	+	0	+	+	0		0	0	0	+	0	+	0	+	0	+	+	0	0	+	0	+	0	+	0	0	+	+			3+						
7	Validati Anti_Jka	Donor227 #7	+	+	0	0	+	0	0	+	0	+	0	+	+	0	0	0	+	0	0	0	0	+	0	+	0	0	+	+			0^{1+}						
8	Validati Anti_Jka	Donor228 #8	+	0	0	+	+	+	0	0	0	+	0	+	+	0	0	0	0	+	0	+	+	+	+	0	+	0	+	+			0^{1+}						
9	Validati Anti_Jka	Donor229 #9	+	0	+	+	0	0	+	0	+	0	0	+	0	+	0	+	0	+	+	0	+	+	0	+	+	+	0	+			0^{1+}						
10	Validati Anti_Jka	Donor230 #10	+	+	0	0	+		0	0	+	+	0	+	0	+	0	+	0	+	0	+	+	0	+	0	+	0	+	0			0^{1+}						
11	Validati Anti_Jka	Donor231 #11	+	0	+	+	0		0	0	0	+	+	+	0	+	+	+	0	+	0	+	+	+	+	+	+	+	+	0			0^{1+}						
	Auto Control																															0^{1+}						

			Rh-Hr								Kell						Duffy		Kidd		Lewis		MN			P	Luth		Sex	Wr
			D	C	E	c	e	f	V	C^w	K	k	Kp^a	Kp^b	Js^a	Js^b	Fy^a	Fy^b	Jk^a	Jk^b	Le^a	Le^b	M	N	S	s	P1	Lu^a	Lu^b	Xg^a	Wr^a
	Homozygous Rule Outs	Double Dose	8	4	3	4	5	1	1	3	1	5	0	6	2	6	1	3	1	5	2	5	3	2	3	4	*	1	6	*	
	Heterozygous Rule Outs	Single Dose		0	0						2		2		0		0		0		0		0		0			1			

Evaluation:

No specificity detected. Further testing required.
See tech tips for further testing suggestions.
Review patient history.
***P1 rule-outs: 5 (need at least 3 negative reactions (7 found) for P1+)**
***Xga rule-outs: 2 (need at least 3 negative reactions (4 found) for Xga+)**

Test Panel 12—Anti_Jka_S

Selected Panel Test Results

File View Help

Panel Anti_Jka_S

Select Patient...

Review 1

Review 2 Current User: samalone

Click in Results Box to indicate test outcome.

	Supplier/ Lot #	Donor/ RhHr-Vial	Rh-Hr								Kell						Duffy		Kidd		Lewis		MN				P	Luth		Sex	Wr	Additional Antigens	IAT	Enz	DTT	A	B	C	D
			D	C	E	c	e	f	V	C^w	K	k	Kp^a	Kp^b	Js^a	Js^b	Fy^a	Fy^b	Jk^a	Jk^b	Le^a	Le^b	M	N	S	s	P1	Lu^a	Lu^b	Xg^a	Wr^a								
1	Validati Anti_Jka_S	Donor1 #1	+	0	+	+	0		0	0	0	+	0	+	0	+	0	+	0	+	+	0	+	+	+	+	0	0	+	+			1+						
2	Validati Anti_Jka_S	Donor2 #2	+	+	0	0	+		0	+	0	+	0	+	0	+	+	0	0	+	+	0	+	+	+	0	0	0	+	+			2+						
3	Validati Anti_Jka_S	Donor3 #3	0	0	0	+	+		0	0	0	+	+	+	0	+	0	+	+	0	0	+	0	+	0	+	+	0	+	+			1+						
4	Validati Anti_Jka_S	Donor4 #4	+	0	+	+	0		0	0	w	+	0	+	0	+	+	0	+	0	+	0	+	+	0	+	0	0	+	+			1+						
5	Validati Anti_Jka_S	Donor5 #5	0	0	0	+	+		0	0	+	+	0	+	0	+	+	+	0	+	+	0	0	+	+	0	+	+	+	0			2+						
6	Validati Anti_Jka_S	Donor6 #6	+	0	0	+	+	+	+	0	0	+	0		0		0	+	+	+	0	+	+	+	0	+	w	0	+	+			0^{1+}						
7	Validati Anti_Jka_S	Donor7 #7	+	+	0	0	+		0	0	0	+	+		0		+	+	0	+	0	+	+	0	0	+	0	0	+	+			0^{1+}						
8	Validati Anti_Jka_S	Donor8 #8	+	0	+	+	0		0	0	0	+	0	+	0	+	0	+	0	+	0	+	0	+	0	+	+	0	+	+			0^{1+}						
9	Validati Anti_Jka_S	Donor9 #9	+	+	0	0	+	0	0	+	0	+	0	+	0	+	0	+	+	+	0	+	+	+	0	+	+	0	+	0			0^{1+}						
10	Validati Anti_Jka_S	Donor10 #10	0	0	+	+	+	+	0	0	0	+	0	+	0	+	+	+	0	+	+	0	+	0	0	+	+	0	+	+			0^{1+}						
11	Validati Anti_Jka_S	Donor11 #11	0	0	0	+	+	+	0	0	+	+	0	+	0	+	0	+	0	+	0	+	+	+	0	+	0	0	+	0			0^{1+}						
12	Validati Anti_Jka_S	Donor12 #12	0	0	0	+	+		0	0	+	+	0	+	0	+	0	+	0	+	0	+	+	+	0	+	+	+	+	0			0^{1+}						
13	Validati Anti_Jka_S	Donor13 #13	0	0	0	+	+	+	0	0	0	+	0	+	0	+	+	0	0	+	0	+	+	0	0	+	+	0	+	+			0^{1+}						
14	Validati Anti_Jka_S	Donor14 #14	+	0	0	+	+			0	0	+	0	+	+	+	0	0	0	+	0	+	+	+	0	+	+	0	+	+			0^{1+}						
	Auto Control																																						

			Rh-Hr								Kell						Duffy		Kidd		Lewis		MN				P	Luth		Sex	Wr
			D	C	E	c	e	f	V	C^w	K	k	Kp^a	Kp^b	Js^a	Js^b	Fy^a	Fy^b	Jk^a	Jk^b	Le^a	Le^b	M	N	S	s	P1	Lu^a	Lu^b	Xg^a	Wr^a
	Homozygous Rule Outs	Double Dose	5	2	1	7	7	4	1	1	0	7	0	8	0	8	1	5	0	7	1	8	3	1	0	9	*	0	8	*	
	Heterozygous Rule Outs	Single Dose		0	0						2		1		1		0		0		0		0		0			1			

Evaluation:

IAT: Can Not Exclude Jka, S
These are tentative rule-outs.
Additional confirmatory data based on your own criteria are recommended.
***P1 rule-outs: 5 (need at least 3 negative reactions (7 found) for P1+)**
***Xga rule-outs: 4 (need at least 3 negative reactions (6 found) for Xga+)**

Test Panel 13—Anti_ K_DTT

Selected Panel Test Results

File View Help

Panel Anti_K_DTT

Select Patient...

Review 1

Review 2 Current User: samalone

Click in Results Box to indicate test outcome.

	Supplier/ Lot #	Donor/ RhHr-Vial	Rh-Hr								Kell						Duffy		Kidd		Lewis		MN			P	Luth		Sex	Wr	Additional Antigens	IAT	Enz	DTT	A	B	C	D
			D	C	E	c	e	f	V	C^w	K	k	Kp^a	Kp^b	Js^a	Js^b	Fy^a	Fy^b	Jk^a	Jk^b	Le^a	Le^b	M	N	S	s	P1	Lu^a	Lu^b	Xg^a	Wr^a								
1	Validati Anti_K_DTT	Donor128 #1	+	+	0	0	+		0	+	0	+	0	+	0	+	0	+	0	+	0	+	0	+	0	+	+	0	+	+					0^{1+}				
2	Validati Anti_K_DTT	Donor129 #2	+	0	+	+	0		0	0	0	+	+	+	0	+	+	+	+	+	+	0	+	0	+	0	+	0	+	0					0^{1+}				
3	Validati Anti_K_DTT	Donor130 #3	0	0	0	+	+		0	0	+	+	0	+	0	+	+	0	+	0	+	0	0	+	+	+	+	0	+	0					0^{1+}				
4	Validati Anti_K_DTT	Donor131 #4	+	+	+	+	+	0	0	+	0	+		+	0	+	0	+	+	0	0	+	0	+	+	+	+	0	+	0					0^{1+}				
5	Validati Anti_K_DTT	Donor132 #5	+	0	+	+	+	+	+	0	0	+	0	+		+	0	+	0	+	0	+	+	0	0	+	0	0	0	0					0^{1+}				
6	Validati Anti_K_DTT	Donor133 #6	+	0	0	+	+	+	+	0	0	+	0	+	+	+	0	0	+	0	0	0	0	+	0	+	+	0	+	+					0^{1+}				
7	Validati Anti_K_DTT	Donor134 #7	0	0	0	+	+	+	0	0	+	+	0		0		+	+	+	0	+	0	0	+	0	+	w	0	+	+					0^{1+}				
8	Validati Anti_K_DTT	Donor135 #8	+	+	0	0	+			0	+	+	0	+	0	+	0	+	+	0	+	0	+	+	0	+	+	0	+	0					0^{1+}				
9	Validati Anti_K_DTT	Donor136 #9	+	+	0	0	+		0	+	0	+	0	+	0	+	+	+	+	+	+	0	0	+	0	+	+	+	+	+					0^{1+}				
10	Validati Anti_K_DTT	Donor137 #10	+	0	+	+	0		0	0	+	+	0	+	0	+	0	+	+	0	0	+	+	0	+	0	0	0	+	0					0^{1+}				
11	Validati Anti_K_DTT	Donor138 #11	0	0	0	+	+		0	0	0	+	+	+	0	+	+	0	0	+	0	+	+	+	+	+	+	0	+	+					0^{1+}				
	Auto Control																																					

			Rh-Hr								Kell						Duffy		Kidd		Lewis		MN			P	Luth		Sex	Wr
			D	C	E	c	e	f	V	C^w	K	k	Kp^a	Kp^b	Js^a	Js^b	Fy^a	Fy^b	Jk^a	Jk^b	Le^a	Le^b	M	N	S	s	P1	Lu^a	Lu^b	Xg^a	Wr^a
	Homozygous Rule Outs	Double Dose	8	3	2	7	7	3	2	3	0	0	0	0	0	0	2	5	6	3	5	5	3	6	2	6	*	0	0	*	
	Heterozygous Rule Outs	Single Dose		0	0						0		0		0		0		0		0		0		0			0			

Evaluation:

DTT: Can Not Exclude K, k, Kpa, Kpb, Jsa, Jsb, Lua, Lub
These are tentative rule-outs.
Additional confirmatory data based on your own criteria are recommended.
***P1 rule-outs: 7 (need at least 3 negative reactions (9 found) for P1+)**
***Xga rule-outs: 3 (need at least 3 negative reactions (5 found) for Xga+)**

Test Panel 14—Anti_ K_Enz

Selected Panel Test Results

File View Help

Panel Anti_K_Enz

Select Patient...

Review 1

Review 2 Current User: samalone

Click in Results Box to indicate test outcome.

	Supplier/ Lot #	Donor/ RhHr-Vial	Rh-Hr								Kell						Duffy		Kidd		Lewis		MN				P	Luth		Sex	Wr	Additional Antigens	IAT	Enz	DTT	A	B	C	D
			D	C	E	c	e	f	V	C^w	K	k	Kp^a	Kp^b	Js^a	Js^b	Fy^a	Fy^b	Jk^a	Jk^b	Le^a	Le^b	M	N	S	s	P1	Lu^a	Lu^b	Xg^a	Wr^a								
1	Validati Anti_K_Enz	Donor117 #1	+	+	0	0	+		0	+	0	+	0	+	0	+	0	+	0	+	0	+	0	+	0	+	+	0	+	+				0^{1+}						
2	Validati Anti_K_Enz	Donor118 #2	+	0	+	+	0		0	0	0	+	+	+	0	+	+	+	+	+	+	0	+	0	+	0	+	0	+	0				0^{1+}						
3	Validati Anti_K_Enz	Donor119 #3	0	0	0	+	+		0	0	+	+	0	+	0	+	+	0	+	0	+	0	0	+	+	+	+	0	+	0				2+						
4	Validati Anti_K_Enz	Donor120 #4	+	+	+	+	+	0	0	+	0	+		+	0	+	0	+	+	0	0	+	0	+	+	+	+	0	+	0				0^{1+}						
5	Validati Anti_K_Enz	Donor121 #5	+	0	+	+	+	+	+	0	0	+	0	+		+	0	+	0	+	0	+	+	0	0	+	0	0	0	0				0^{1+}						
6	Validati Anti_K_Enz	Donor122 #6	+	0	0	+	+	+	+	0	0	+	0	+	+	+	0	0	+	0	0	0	0	+	0	+	+	0	+	+				0^{1+}						
7	Validati Anti_K_Enz	Donor123 #7	0	0	0	+	+	+	0	0	+	+	0		0		+	+	+	0	+	0	0	+	0	+	w	0	+	+				2+						
8	Validati Anti_K_Enz	Donor124 #8	+	+	0	0	+			0	+	+	0	+	0	+	0	+	+	0	+	0	+	+	0	+	+	0	+	0				2+						
9	Validati Anti_K_Enz	Donor125 #9	+	+	0	0	+		0	+	0	+	0	+	0	+	+	+	+	+	+	0	0	+	0	+	+	+	+	+				0^{1+}						
10	Validati Anti_K_Enz	Donor126 #10	+	0	+	+	0		0	0	+	+	0	+	0	+	0	+	+	0	0	+	+	0	+	0	0	0	+	0				2+						
11	Validati Anti_K_Enz	Donor127 #11	0	0	0	+	+		0	0	0	+	+	+	0	+	+	0	0	+	0	+	+	+	+	+	+	0	+	+				0^{1+}						
	Auto Control																																						

			Rh-Hr								Kell						Duffy		Kidd		Lewis		MN				P	Luth		Sex	Wr
			D	C	E	c	e	f	V	C^w	K	k	Kp^a	Kp^b	Js^a	Js^b	Fy^a	Fy^b	Jk^a	Jk^b	Le^a	Le^b	M	N	S	s	P1	Lu^a	Lu^b	Xg^a	Wr^a
	Homozygous Rule Outs	Double Dose	6	2	1	4	4	2	2	3	0	7	0	4	0	5	0	0	2	3	2	4	0	0	0	0	*	0	5	*	
	Heterozygous Rule Outs	Single Dose		0	0						0		2		1		0		0		0		0		0			1			

Evaluation:

Enz: Can Not Exclude K, Fya, Fyb, M, N, S, s
These are tentative rule-outs.
Additional confirmatory data based on your own criteria are recommended.
***P1 rule-outs: 4 (need at least 3 negative reactions (6 found) for P1+)**
***Xga rule-outs: 2 (need at least 3 negative reactions (4 found) for Xga+)**

Test Panel 15—Anti_ K_Fyb_DTT

Selected Panel Test Results

File View Help

Panel Anti_K_Fyb_DTT

Select Patient...

Review 1

Review 2 Current User: samalone

Click in Results Box to indicate test outcome.

	Supplier/ Lot #	Donor/ RhHr-Vial	Rh-Hr								Kell						Duffy		Kidd		Lewis		MN				P	Luth		Sex	Wr	Additional Antigens	IAT	Enz	DTT	A	B	C	D
			D	C	E	c	e	f	V	C^w	K	k	Kp^a	Kp^b	Js^a	Js^b	Fy^a	Fy^b	Jk^a	Jk^b	Le^a	Le^b	M	N	S	s	P1	Lu^a	Lu^b	Xg^a	Wr^a								
1	Validati	Donor161 #1	+	0	+	+	0		0	0	0	+	+	+	0	+	+	+	+	+	+	0	+	0	+	0	+	0	+	0					1+				
2	Validati	Donor162 #2	+	0	+	+	0		0	0	+	+	0	+	0	+	+	+	+	0	0	0	+	+	+	+	+	+	+	0					1+				
3	Validati	Donor163 #3	+	+	0	0	+		0	0	+	0	0	+	0	+	+	0	+	0	+	0	+	+	0	+	0	0	+	+					0^{1+}				
4	Validati	Donor164 #4	0	0	0	+	+		0	0	+	0	0	+	0	+	0	+	0	+	0	+	0	+	+	0	0	0	+	+					2+				
5	Validati	Donor165 #5	+	+	0	+	+	+	0	+	+	0	0	+	0	+	+	+	+	0	0	+	0	+	0	+	0	+	+	+					1+				
6	Validati	Donor166 #6	+	+	0	0	+		0	+	0	+	0	+	0	+	+	0	0	+	+	0	+	+	+	0	0	0	+	+					0^{1+}				
7	Validati	Donor167 #7	+	+	0	+	+		0	0	0	+	+	+	0	+	+	0	+	0	0	+	+	0	+	0	+	0	+	0					0^{1+}				
8	Validati	Donor168 #8	+	+	0	0	+		0	0	0	+	0	+	0	+	+	0	0	+	0	+	0	+	0	+	0	0	+	+					0^{1+}				
9	Validati	Donor169 #9	+	+	0	0	+	0	0	+	0	+	0	+		+	+	0	+	0	0	+	0	+	0	+	0	0	+	+					0^{1+}				
10	Validati	Donor170 #10	+	0	0	+	+	+	+	0	0	+	0	+	+	+	0	0	+	0	0	0	0	+	0	+	+	0	+	+					0^{1+}				
11	Validati	Donor171 #11	+	+	0	0	+		0	0	+	0	0	+	0	+	+	+	+	0	+	0	+	+	+	+	0	0	+	+					1+				
	Auto Control																																						

			Rh-Hr								Kell						Duffy		Kidd		Lewis		MN				P	Luth		Sex	Wr
			D	C	E	c	e	f	V	C^w	K	k	Kp^a	Kp^b	Js^a	Js^b	Fy^a	Fy^b	Jk^a	Jk^b	Le^a	Le^b	M	N	S	s	P1	Lu^a	Lu^b	Xg^a	Wr^a
	Homozygous Rule Outs	Double Dose	6	4	0	1	6	1	1	2	0	0	0	0	0	0	5	0	4	2	2	3	1	3	2	4	*	0	0	*	
	Heterozygous Rule Outs	Single Dose		0	0						0		0		0		0		0		0		0		0			0			

Evaluation:

DTT: Can Not Exclude E, K, k, Kpa, Kpb, Jsa, Jsb, Fyb, P1, Lua, Lub
These are tentative rule-outs.
Additional confirmatory data based on your own criteria are recommended.
***P1 rule-outs: 0 (need at least 3 negative reactions (2 found) for P1+)**
***Xga rule-outs: 3 (need at least 3 negative reactions (5 found) for Xga+)**

Test Panel 16—Anti_ K_Fyb_Enz

Selected Panel Test Results

File View Help

Panel Anti_K_Fyb_Enz

Select Patient...

Review 1

Review 2 Current User: samalone

Click in Results Box to indicate test outcome.

	Supplier/ Lot #	Donor/ RhHr-Vial	Rh-Hr								Kell					Duffy		Kidd		Lewis		MN			P	Luth		Sex	Wr	Additional Antigens	IAT	Enz	DTT	A	B	C	D
			D	C	E	c	e	f	V	C^w	K	k	Kp^a	Kp^b	Js^a	Js^b	Fy^a	Fy^b	Jk^a	Jk^b	Le^a	Le^b	M	N	S	s	P1	Lu^a	Lu^b	Xg^a	Wr^a							
1	Validati Anti_K_Fyb_Enz	Donor150 #1	+	0	+	+	0		0	0	0	+	+	+	0	+	+	+	+	+	+	0	+	0	+	0	+	0	+	0			3+					
2	Validati Anti_K_Fyb_Enz	Donor151 #2	+	0	+	+	0		0	0	+	+	0	+	0	+	+	+	+	0	0	0	+	+	+	+	+	+	+	0			2+					
3	Validati Anti_K_Fyb_Enz	Donor152 #3	+	+	0	0	+		0	0	+	0	0	+	0	+	+	0	+	0	+	0	+	+	0	+	0	0	+	+			0^{1+}					
4	Validati Anti_K_Fyb_Enz	Donor153 #4	0	0	0	+	+		0	0	+	0	0	+	0	+	0	+	0	+	0	+	0	+	+	0	0	0	+	+			0^{1+}					
5	Validati Anti_K_Fyb_Enz	Donor154 #5	+	+	0	+	+	+	0	+	+	0	0	+	0	+	+	+	+	0	0	+	0	+	0	+	0	+	+	+			0^{1+}					
6	Validati Anti_K_Fyb_Enz	Donor155 #6	+	+	0	0	+		0	+	0	+	0	+	0	+	+	0	0	+	+	0	+	+	+	0	0	0	+	+			3+					
7	Validati Anti_K_Fyb_Enz	Donor156 #7	+	+	0	+	+		0	0	0	+	+	+	0	+	+	0	+	0	0	+	+	0	+	0	+	0	+	0			3+					
8	Validati Anti_K_Fyb_Enz	Donor157 #8	+	+	0	0	+		0	0	0	+	0	+	0	+	+	0	0	+	0	+	0	+	0	+	0	0	+	+			3+					
9	Validati Anti_K_Fyb_Enz	Donor158 #9	+	+	0	0	+	0	0	+	0	+	0	+		+	+	0	+	0	0	+	0	+	0	+	0	0	+	+			3+					
10	Validati Anti_K_Fyb_Enz	Donor159 #10	+	0	0	+	+	+	+	0	0	+	0	+	+	+	0	0	+	0	0	0	0	+	0	+	+	0	+	+			3+					
11	Validati Anti_K_Fyb_Enz	Donor160 #11	+	+	0	0	+		0	0	+	0	0	+	0	+	+	+	+	0	+	0	+	+	+	+	0	0	+	+			0^{1+}					
	Auto Control																																				

			Rh-Hr								Kell					Duffy		Kidd		Lewis		MN			P	Luth		Sex	Wr
			D	C	E	c	e	f	V	C^w	K	k	Kp^a	Kp^b	Js^a	Js^b	Fy^a	Fy^b	Jk^a	Jk^b	Le^a	Le^b	M	N	S	s	P1	Lu^a	Lu^b	Xg^a	Wr^a
	Homozygous Rule Outs	Double Dose	3	2	0	1	4	1	0	1	4	0	0	4	0	4	0	0	3	1	2	2	0	0	0	0	0	0	3	*	
	Heterozygous Rule Outs	Single Dose		0	0						0		0		0		0		0		0		0		0			1			

Evaluation:

Enz: Can Not Exclude E, V, k, Kpa, Jsa, Fya, Fyb, P1, M, N, S, s
These are tentative rule-outs.
Additional confirmatory data based on your own criteria are recommended.
***P1 rule-outs: 0 (need at least 3 negative reactions (0 found) for P1+)**
***Xga rule-outs: 2 (need at least 3 negative reactions (4 found) for Xga+)**

Test Panel 17—Anti_ K_Fyb_IAT

Selected Panel Test Results

File View Help

Panel Anti_K_Fyb_IAT

Select Patient...

Review 1

Review 2 Current User: samalone

Click in Results Box to indicate test outcome.

	Supplier/ Lot #	Donor/ RhHr-Vial	Rh-Hr								Kell						Duffy		Kidd		Lewis		MN				P	Luth		Sex	Wr	Additional Antigens	IAT	Enz	DTT	A	B	C	D
			D	C	E	c	e	f	V	C^w	K	k	Kp^a	Kp^b	Js^a	Js^b	Fy^a	Fy^b	Jk^a	Jk^b	Le^a	Le^b	M	N	S	s	P1	Lu^a	Lu^b	Xg^a	Wr^a								
1	Validati Anti_K_Fyb_IAT	Donor139 #1	+	0	+	+	0		0	0	0	+	+	+	0	+	+	+	+	+	+	0	+	0	+	0	+	0	+	0			3+						
2	Validati Anti_K_Fyb_IAT	Donor140 #2	+	0	+	+	0		0	0	+	+	0	+	0	+	+	+	+	0	0	0	+	+	+	+	+	+	+	0			2+						
3	Validati Anti_K_Fyb_IAT	Donor141 #3	+	+	0	0	+		0	0	+	0	0	+	0	+	+	0	+	0	+	0	+	+	0	+	0	0	+	+			0^{1+}						
4	Validati Anti_K_Fyb_IAT	Donor142 #4	0	0	0	+	+		0	0	+	0	0	+	0	+	0	+	0	+	0	+	0	+	+	0	0	0	+	+			2+						
5	Validati Anti_K_Fyb_IAT	Donor143 #5	+	+	0	+	+	+	0	+	+	0	0	+	0	+	+	+	+	0	0	+	0	+	0	+	0	+	+	+			1+						
6	Validati Anti_K_Fyb_IAT	Donor144 #6	+	+	0	0	+		0	+	0	+	0	+	0	+	+	0	0	+	+	0	+	+	+	0	0	0	+	+			3+						
7	Validati Anti_K_Fyb_IAT	Donor145 #7	+	+	0	+	+		0	0	0	+	+	+	0	+	+	0	+	0	0	+	+	0	+	0	+	0	+	0			3+						
8	Validati Anti_K_Fyb_IAT	Donor146 #8	+	+	0	0	+		0	0	0	+	0	+	0	+	+	0	0	+	0	+	0	+	0	+	0	0	+	+			3+						
9	Validati Anti_K_Fyb_IAT	Donor147 #9	+	+	0	0	+	0	0	+	0	+	0	+		+	+	0	+	0	0	+	0	+	0	+	0	0	+	+			3+						
10	Validati Anti_K_Fyb_IAT	Donor148 #10	+	0	0	+	+	+	+	0	0	+	0	+	+	+	0	0	+	0	0	0	0	+	0	+	+	0	+	+			3+						
11	Validati Anti_K_Fyb_IAT	Donor149 #11	+	+	0	0	+		0	0	+	0	0	+	0	+	+	+	+	0	+	0	+	+	+	+	0	0	+	+			1+						
	Auto Control																																						

			Rh-Hr								Kell						Duffy		Kidd		Lewis		MN				P	Luth		Sex	Wr
			D	C	E	c	e	f	V	C^w	K	k	Kp^a	Kp^b	Js^a	Js^b	Fy^a	Fy^b	Jk^a	Jk^b	Le^a	Le^b	M	N	S	s	P1	Lu^a	Lu^b	Xg^a	Wr^a
	Homozygous Rule Outs	Double Dose	1	1	0	0	1	0	0	0	1	0	0	1	0	1	1	0	1	0	1	0	0	0	0	1	0	0	1	*	
	Heterozygous Rule Outs	Single Dose		0	0						0		0		0		0		0		0		0		0			0			

Evaluation:

IAT: Can Not Exclude E, c, Cw, f, V, k, Kpa, Jsa, Fyb, Jkb, Leb, P1, M, N, S, Lua, Xga
These are tentative rule-outs.
Additional confirmatory data based on your own criteria are recommended.
***P1 rule-outs: 0 (need at least 3 negative reactions (0 found) for P1+)**
***Xga rule-outs: 0 (need at least 3 negative reactions (1 found) for Xga+)**

Test Panel 18—Anti_ K_IAT

Selected Panel Test Results

File View Help

Panel Anti_K_IAT

Select Patient...

Review 1

Review 2 Current User: samalone

Click in Results Box to indicate test outcome.

	Supplier/ Lot #	Donor/ RhHr-Vial	Rh-Hr								Kell						Duffy		Kidd		Lewis		MN			P	Luth		Sex	Wr	Additional Antigens	IAT	Enz	DTT	A	B	C	D
			D	C	E	c	e	f	V	C^w	K	k	Kp^a	Kp^b	Js^a	Js^b	Fy^a	Fy^b	Jk^a	Jk^b	Le^a	Le^b	M	N	S	s	P1	Lu^a	Lu^b	Xg^a	Wr^a							
1	Validati Anti_K_IAT	Donor106 #1	+	+	0	0	+		0	+	0	+	0	+	0	+	0	+	0	+	0	+	0	+	0	+	+	0	+	+			0^{1+}						
2	Validati Anti_K_IAT	Donor107 #2	+	0	+	+	0		0	0	0	+	+	+	0	+	+	+	+	+	+	0	+	0	+	0	+	0	+	0			0^{1+}						
3	Validati Anti_K_IAT	Donor108 #3	0	0	0	+	+		0	0	+	+	0	+	0	+	+	0	+	0	+	0	0	+	+	+	+	0	+	0			2+						
4	Validati Anti_K_IAT	Donor109 #4	+	+	+	+	+	0	0	+	0	+		+	0	+	0	+	+	0	0	+	0	+	+	+	+	0	+	0			0^{1+}						
5	Validati Anti_K_IAT	Donor110 #5	+	0	+	+	+	+	+	0	0	+	0	+		+	0	+	0	+	0	+	+	0	0	+	0	0	0	0			0^{1+}						
6	Validati Anti_K_IAT	Donor111 #6	+	0	0	+	+	+	+	0	0	+	0	+	+	+	0	0	+	0	0	0	0	+	0	+	+	0	+	+			0^{1+}						
7	Validati Anti_K_IAT	Donor112 #7	0	0	0	+	+	+	0	0	+	+	0		0		+	+	+	0	+	0	0	+	0	+	w	0	+	+			2+						
8	Validati Anti_K_IAT	Donor113 #8	+	+	0	0	+			0	+	+	0	+	0	+	0	+	+	0	+	0	+	+	0	+	+	0	+	0			2+						
9	Validati Anti_K_IAT	Donor114 #9	+	+	0	0	+		0	+	0	+	0	+	0	+	+	+	+	+	+	0	0	+	0	+	+	+	+	+			0^{1+}						
10	Validati Anti_K_IAT	Donor115 #10	+	0	+	+	0		0	0	+	+	0	+	0	+	0	+	+	0	0	+	+	0	+	0	0	0	+	0			2+						
11	Validati Anti_K_IAT	Donor116 #11	0	0	0	+	+		0	0	0	+	+	+	0	+	+	0	0	+	0	+	+	+	+	+	+	0	+	+			0^{1+}						
	Auto Control																																					

			Rh-Hr								Kell						Duffy		Kidd		Lewis		MN			P	Luth		Sex	Wr
			D	C	E	c	e	f	V	C^w	K	k	Kp^a	Kp^b	Js^a	Js^b	Fy^a	Fy^b	Jk^a	Jk^b	Le^a	Le^b	M	N	S	s	P1	Lu^a	Lu^b	Xg^a	Wr^a
	Homozygous Rule Outs	Double Dose	6	2	1	4	4	2	2	3	0	7	0	4	0	5	1	3	2	3	2	4	2	4	1	4	*	0	5	*	
	Heterozygous Rule Outs	Single Dose		0	0						0		2		1		0		0		0		0		0			1			

Evaluation:

IAT: Can Not Exclude K
These are tentative rule-outs.
Additional confirmatory data based on your own criteria are recommended.
***P1 rule-outs: 4 (need at least 3 negative reactions (6 found) for P1+)**
***Xga rule-outs: 2 (need at least 3 negative reactions (4 found) for Xga+)**

Test Panel 19—Anti_ S_Enz

Selected Panel Test Results

File View Help

Panel Anti_S_Enz

Select Patient...

Review 1

Review 2 Current User: samalone

Click in Results Box to indicate test outcome.

	Supplier/ Lot #	Donor/ RhHr-Vial	Rh-Hr								Kell						Duffy		Kidd		Lewis		MN			P	Luth		Sex	Wr	Additional Antigens	IAT	Enz	DTT	A	B	C	D
			D	C	E	c	e	f	V	C^w	K	k	Kp^a	Kp^b	Js^a	Js^b	Fy^a	Fy^b	Jk^a	Jk^b	Le^a	Le^b	M	N	S	s	P1	Lu^a	Lu^b	Xg^a	Wr^a							
1	Validati Anti_S_Enz	Donor209 #1	+	+	0	0	+		0	+	+	+	0	+	0	+	+	0	+	+	0	+	+	0	0	+	+	0	+	0				0^{1+}				
2	Validati Anti_S_Enz	Donor210 #2	0	0	0	+	+		0	0	+	0	0	+	0	+	0	+	0	+	0	+	0	+	+	0	0	0	+	+				0^{1+}				
3	Validati Anti_S_Enz	Donor211 #3	+	+	0	0	+	0	0	0	0	+	+	0	0	+	+	+	+	+	0	+	+	+	+	+	+	0	+	+				0^{1+}				
4	Validati Anti_S_Enz	Donor212 #4	+	0	+	+	0	0	0	0	0	+	+	0	0	+	0	+	0	+	+	0	+	+	0	+	+	0	+	+				0^{1+}				
5	Validati Anti_S_Enz	Donor213 #5	+	+	0	0	+	0	0	+	0	+	0	+	+	0	0	0	+	0	0	0	0	+	0	+	0	0	+	+				0^{1+}				
6	Validati Anti_S_Enz	Donor214 #6	+	0	0	+	+	+	0	0	0	+	0	+	+	0	0	0	0	+	0	+	+	+	+	0	+	0	+	+				0^{1+}				
7	Validati Anti_S_Enz	Donor215 #7	0	0	0	+	+	+	0	0	0	+	0	+	0	+	+	+	+	+	+	0	+	+	0	+	+		+	+				0^{1+}				
8	Validati Anti_S_Enz	Donor216 #8	+	0	+	+	0	0	+	0	+	0	0	+	0	+	0	+	0	+	+	0	+	+	0	+	+	+	0	+				0^{1+}				
9	Validati Anti_S_Enz	Donor217 #9	0	0	0	+	+		0	0	0	+	+	+	0	+	0	+	+	0	0	+	0	+	0	+	+	0	+	+				0^{1+}				
10	Validati Anti_S_Enz	Donor218 #10	+	+	+	+	+		0	0	0	+	0	+	0	+	+	0	+	+	0	+	0	+	+	+	0	+	0	+				0^{1+}				
11	Validati Anti_S_Enz	Donor219 #11	+	0	+	+	0		0	0	0	+	0	+	0	+	+	0	0	+	+	0	+	0	0	+	+	0	+	0				0^{1+}				
12	Validati Anti_S_Enz	Donor220 #12	+	+	0	+	+	+	0	0	+	+	0		+		+	+	+	+	0	+	+	+	0	+	w	+	+	+				0^{1+}				
	Auto Control																																	0^{1+}				

			Rh-Hr								Kell						Duffy		Kidd		Lewis		MN			P	Luth		Sex	Wr
			D	C	E	c	e	f	V	C^w	K	k	Kp^a	Kp^b	Js^a	Js^b	Fy^a	Fy^b	Jk^a	Jk^b	Le^a	Le^b	M	N	S	s	P1	Lu^a	Lu^b	Xg^a	Wr^a
	Homozygous Rule Outs	Double Dose	9	3	3	7	8	3	1	2	2	8	2	9	2	9	0	0	2	5	4	7	0	0	0	0	*	2	8	*	
	Heterozygous Rule Outs	Single Dose		0	0						2		1		1		0		0		0		0		0			1			

Evaluation:

Enz: Can Not Exclude Fya, Fyb, M, N, S, s
These are tentative rule-outs.
Additional confirmatory data based on your own criteria are recommended.
***P1 rule-outs: 7 (need at least 3 negative reactions (9 found) for P1+)**
***Xga rule-outs: 8 (need at least 3 negative reactions (10 found) for Xga+)**

Test Panel 20—Anti_ S_IAT

Selected Panel Test Results

File View Help

Panel Anti_S_IAT

Select Patient...

Review 1

Review 2 Current User: samalone

Click in Results Box to indicate test outcome.

	Supplier/ Lot #	Donor/ RhHr-Vial	Rh-Hr								Kell						Duffy		Kidd		Lewis		MN			P	Luth		Sex	Wr	Additional Antigens	IAT	Enz	DTT	A	B	C	D
			D	C	E	c	e	f	V	C^w	K	k	Kp^a	Kp^b	Js^a	Js^b	Fy^a	Fy^b	Jk^a	Jk^b	Le^a	Le^b	M	N	S	s	P1	Lu^a	Lu^b	Xg^a	Wr^a							
1	Validati Anti_S_IAT	Donor197 #1	+	+	0	0	+		0	+	+	+	0	+	0	+	+	0	+	+	0	+	+	0	0	+	+	0	+	0			0^{1+}						
2	Validati Anti_S_IAT	Donor198 #2	0	0	0	+	+		0	0	+	0	0	+	0	+	0	+	0	+	0	+	0	+	+	0	0	0	+	+			3+						
3	Validati Anti_S_IAT	Donor199 #3	+	+	0	0	+	0	0	0	0	+	+	0	0	+	+	+	+	+	0	+	+	+	+	+	+	0	+	+			2+						
4	Validati Anti_S_IAT	Donor200 #4	+	0	+	+	0	0	0	0	0	+	+	0	0	+	0	+	0	+	+	0	+	+	0	+	+	0	+	+			0^{1+}						
5	Validati Anti_S_IAT	Donor201 #5	+	+	0	0	+	0	0	+	0	+	0	+	+	0	0	0	+	0	0	0	0	+	0	+	0	0	+	+			0^{1+}						
6	Validati Anti_S_IAT	Donor202 #6	+	0	0	+	+	+	0	0	0	+	0	+	+	0	0	0	0	+	0	+	+	+	+	0	+	0	+	+			3+						
7	Validati Anti_S_IAT	Donor203 #7	0	0	0	+	+	+	0	0	0	+	0	+	0	+	+	+	+	+	+	0	+	+	0	+	+		+	+			0^{1+}						
8	Validati Anti_S_IAT	Donor204 #8	+	0	+	+	0	0	+	0	+	0	0	+	0	+	0	+	0	+	+	0	+	+	0	+	+	+	0	+			0^{1+}						
9	Validati Anti_S_IAT	Donor205 #9	0	0	0	+	+		0	0	0	+	+	+	0	+	0	+	+	0	0	+	0	+	0	+	+	0	+	+			0^{1+}						
10	Validati Anti_S_IAT	Donor206 #10	+	+	+	+	+		0	0	0	+	0	+	0	+	+	0	+	+	0	+	0	+	+	+	0	+	0	+			2+						
11	Validati Anti_S_IAT	Donor207 #11	+	0	+	+	0		0	0	0	+	0	+	0	+	+	0	0	+	+	0	+	0	0	+	+	0	+	0			0^{1+}						
12	Validati Anti_S_IAT	Donor208 #12	+	+	0	+	+	+	0	0	+	+	0		+		+	+	+	+	0	+	+	+	0	+	w	+	+	+			0^{1+}						
	Auto Control		+	+	0	0	+		0	0	0	+	0	+	0	+	+	+	+	+	0	+	+	+	0	+	0	0	+	+			0^{1+}						

			Rh-Hr								Kell						Duffy		Kidd		Lewis		MN			P	Luth		Sex	Wr
			D	C	E	c	e	f	V	C^w	K	k	Kp^a	Kp^b	Js^a	Js^b	Fy^a	Fy^b	Jk^a	Jk^b	Le^a	Le^b	M	N	S	s	P1	Lu^a	Lu^b	Xg^a	Wr^a
	Homozygous Rule Outs	Double Dose	6	2	3	5	5	2	1	2	1	5	1	6	1	6	2	3	2	3	4	3	2	2	0	8	*	1	5	*	
	Heterozygous Rule Outs	Single Dose		0	0						0		0		0		0		0		0		0		0			1			

Evaluation:

IAT: Can Not Exclude S
These are tentative rule-outs.
Additional confirmatory data based on your own criteria are recommended.
***P1 rule-outs: 5 (need at least 3 negative reactions (7 found) for P1+)**
***Xga rule-outs: 4 (need at least 3 negative reactions (6 found) for Xga+)**

Test Panel 21—Anti_ U

Selected Panel Test Results

File View Help

Panel Anti_U

Select Patient...

Review 1

Review 2 Current User: samalone

Click in Results Box to indicate test outcome.

	Supplier/ Lot #	Donor/ RhHr-Vial	Rh-Hr								Kell						Duffy		Kidd		Lewis		MN				P	Luth		Sex	Wr	Additional Antigens	IAT	Enz	DTT	A	B	C	D
			D	C	E	c	e	f	V	C^w	K	k	Kp^a	Kp^b	Js^a	Js^b	Fy^a	Fy^b	Jk^a	Jk^b	Le^a	Le^b	M	N	S	s	P1	Lu^a	Lu^b	Xg^a	Wr^a								
1	Validati Anti_U	Donor232 #1	0	0	0	+	+		0	0	0	+	0	+	0	+	0	0	+	+	0	+	+	+	0	0	+	0	+	+			0^{1+}						
	Auto Control																																						

			Rh-Hr								Kell						Duffy		Kidd		Lewis		MN				P	Luth		Sex	Wr
			D	C	E	c	e	f	V	C^w	K	k	Kp^a	Kp^b	Js^a	Js^b	Fy^a	Fy^b	Jk^a	Jk^b	Le^a	Le^b	M	N	S	s	P1	Lu^a	Lu^b	Xg^a	Wr^a
	Homozygous Rule Outs	Double Dose	0	0	0	1	1	0	0	0	0	1	0	1	0	1	0	0	0	0	0	1	0	0	0	0	*	0	1	*	
	Heterozygous Rule Outs	Single Dose		0	0						0		0		0		0		0		0		0		0			0			

Evaluation:

There is no exclusion in this panel for these antigens

IAT: Can Not Exclude D, C, E, Cw, f, V, K, Kpa, Jsa, Fya, Fyb, Jka, Jkb, Lea, P1, M, N, S, s, Lua, Xga
These are tentative rule-outs.
Additional confirmatory data based on your own criteria are recommended.
***P1 rule-outs: 0 (need at least 3 negative reactions (1 found) for P1+)**
***Xga rule-outs: 0 (need at least 3 negative reactions (1 found) for Xga+)**

Test Panel 22—Anti_U_Absent

Selected Panel Test Results

File View Help

Panel Anti_U_Absent

Select Patient...

Review 1

Review 2 Current User: samalone

Click in Results Box to indicate test outcome.

	Supplier/ Lot #	Donor/ RhHr-Vial	Rh-Hr								Kell						Duffy		Kidd		Lewis		MN				P	Luth		Sex	Wr	Additional Antigens	IAT	Enz	DTT	A	B	C	D
			D	C	E	c	e	f	V	C^w	K	k	Kp^a	Kp^b	Js^a	Js^b	Fy^a	Fy^b	Jk^a	Jk^b	Le^a	Le^b	M	N	S	s	P1	Lu^a	Lu^b	Xg^a	Wr^a								
1	Validati Anti_U_Absent	Donor236 #1	0	0	0	+	+		0	0	0	+	0	+	0	+	0	0	+	+	0	+	+	+	0	0	+	0	+	+			0^{1+}						
2	Validati Anti_U_Absent	Donor237 #2	+	0	0	+	+		0	0	0	+	0	+	0	+	0	0	+	+	0	+	+	+	0	0	+	0	+	+			2+						
3	Validati Anti_U_Absent	Donor238 #3	+	+	0	0	+		0	+	0	+	0	+	0	+	+	0	0	+	0	+	+	0	+	+	+	0	+	+			2+						
	Auto Control																																						

			Rh-Hr								Kell						Duffy		Kidd		Lewis		MN				P	Luth		Sex	Wr
			D	C	E	c	e	f	V	C^w	K	k	Kp^a	Kp^b	Js^a	Js^b	Fy^a	Fy^b	Jk^a	Jk^b	Le^a	Le^b	M	N	S	s	P1	Lu^a	Lu^b	Xg^a	Wr^a
	Homozygous Rule Outs	Double Dose	0	0	0	1	1	0	0	0	0	1	0	1	0	1	0	0	0	0	0	1	0	0	0	0	*	0	1	*	
	Heterozygous Rule Outs	Single Dose		0	0						0		0		0		0		0		0		0		0			0			

Evaluation:

There is no exclusion in this panel for these antigens

IAT: Can Not Exclude D, C, E, Cw, f, V, K, Kpa, Jsa, Fya, Fyb, Jka, Jkb, Lea, P1, M, N, S, s, Lua, Xga
These are tentative rule-outs.
Additional confirmatory data based on your own criteria are recommended.
***P1 rule-outs: 0 (need at least 3 negative reactions (1 found) for P1+)**
***Xga rule-outs: 0 (need at least 3 negative reactions (1 found) for Xga+)**

Test Panel 23—Anti_U_Absent2

Selected Panel Test Results

File View Help

Panel Anti_U_Absent2 — Review 1 — Review 2 — Current User: samalone

Select Patient... — Click in Results Box to indicate test outcome.

	Supplier/ Lot #	Donor/ RhHr-Vial	Rh-Hr D	C	E	c	e	f	V	C^w	Kell K	k	Kp^a	Kp^b	Js^a	Js^b	Duffy Fy^a	Fy^b	Kidd Jk^a	Jk^b	Lewis Le^a	Le^b	MN M	N	S	s	P P1	Luth Lu^a	Lu^b	Sex Xg^a	Wr Wr^a	Additional Antigens	IAT	Enz	DTT	A	B	C	D
1	Validati Anti_U_Absent2	Donor239 #1	0	0	0	+	+		0	0	0	+	0	+	0	+	0	0	+	+	0	+	+	+	0	0	+	0	+	+			0^{1+}						
2	Validati Anti_U_Absent2	Donor240 #2	+	0	0	+	+		0	0	0	+	0	+	0	+	0	0	+	+	0	+	+	+	0	0	+	0	+	+			0^{1+}						
3	Validati Anti_U_Absent2	Donor241 #3	+	+	0	0	+		0	+	0	+	0	+	0	+	+	0	0	+	0	+	+	0	+	+	+	0	+	+			0^{1+}						
	Auto Control																																						

			Rh-Hr D	C	E	c	e	f	V	C^w	Kell K	k	Kp^a	Kp^b	Js^a	Js^b	Duffy Fy^a	Fy^b	Kidd Jk^a	Jk^b	Lewis Le^a	Le^b	MN M	N	S	s	P P1	Luth Lu^a	Lu^b	Sex Xg^a	Wr Wr^a
	Homozygous Rule Outs	Double Dose	2	1	0	2	3	0	0	1	0	3	0	3	0	3	1	0	0	1	0	3	1	0	0	0	*	0	3	*	
	Heterozygous Rule Outs	Single Dose		0	0						0		0		0		0		0		0		0		0			0			

Evaluation: There is no exclusion in this panel for these antigens

IAT: Can Not Exclude E, f, V, K, Kpa, Jsa, Fyb, Jka, Lea, N, S, s, Lua
These are tentative rule-outs.
Additional confirmatory data based on your own criteria are recommended.
***P1 rule-outs: 1 (need at least 3 negative reactions (3 found) for P1+)**
***Xga rule-outs: 1 (need at least 3 negative reactions (3 found) for Xga+)**

Test Panel 24—Anti_U_Possible

Selected Panel Test Results

File View Help

Panel Anti_U_Possible — Review 1 — Review 2 — Current User: samalone

Select Patient... — Click in Results Box to indicate test outcome.

	Supplier/ Lot #	Donor/ RhHr-Vial	Rh-Hr D	C	E	c	e	f	V	C^w	Kell K	k	Kp^a	Kp^b	Js^a	Js^b	Duffy Fy^a	Fy^b	Kidd Jk^a	Jk^b	Lewis Le^a	Le^b	MN M	N	S	s	P P1	Luth Lu^a	Lu^b	Sex Xg^a	Wr Wr^a	Additional Antigens	IAT	Enz	DTT	A	B	C	D
1	Validati Anti_U_Possible	Donor233 #1	0	0	0	+	+		0	0	0	+	0	+	0	+	0	0	+	+	0	+	+	+	0	0	+	0	+	+			0^{1+}						
2	Validati Anti_U_Possible	Donor234 #2	+	0	0	+	+		0	0	0	+	0	+	0	+	0	0	+	+	0	+	+	+	0	0	+	0	+	+			0^{1+}						
3	Validati Anti_U_Possible	Donor235 #3	+	+	0	0	+		0	+	0	+	0	+	0	+	+	0	0	+	0	+	+	0	+	+	+	0	+	+			2+						
	Auto Control																																						

			Rh-Hr D	C	E	c	e	f	V	C^w	Kell K	k	Kp^a	Kp^b	Js^a	Js^b	Duffy Fy^a	Fy^b	Kidd Jk^a	Jk^b	Lewis Le^a	Le^b	MN M	N	S	s	P P1	Luth Lu^a	Lu^b	Sex Xg^a	Wr Wr^a
	Homozygous Rule Outs	Double Dose	1	0	0	2	2	0	0	0	0	2	0	2	0	2	0	0	0	0	0	2	0	0	0	0	*	0	2	*	
	Heterozygous Rule Outs	Single Dose		0	0						0		0		0		0		0		0		0		0			0			

Evaluation: There is no exclusion in this panel for these antigens

IAT: Can Not Exclude C, E, Cw, f, V, K, Kpa, Jsa, Fya, Fyb, Jka, Jkb, Lea, P1, M, N, S, s, Lua, Xga, w/Possible Anti-U.
These are tentative rule-outs.
Additional confirmatory data based on your own criteria are recommended.
***P1 rule-outs: 0 (need at least 3 negative reactions (2 found) for P1+)**
***Xga rule-outs: 0 (need at least 3 negative reactions (2 found) for Xga+)**