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Applicability Royal Oak

Using the Antigen Plus Program - Royal Oak Blood Bank

Document Type: Procedure

I. PURPOSE AND OBJECTIVE:

The purpose of this document is to provide policies and procedures that are applicable when using the Antigen Plus program.

II. INTRODUCTION:

- A. The Antigen Plus program may be used to identify selected cells as part of the antibody identification process, as described in Transfusion Medicine policy, [Interpretation of Antibody Investigations](#). Once test cells of the desired antigenicity are identified, a printout is made on which the test results may be documented. To use the Antigen Plus program, the technologist will follow the *Procedure* outline below.

III. POLICIES:

A. Antigen Plus Access Levels

1. Read Only: Individuals with this level of access can search, select, and enter results but cannot save any work. This level is not routinely used at Beaumont Royal Oak.
2. Save Panels: Individuals with this level of access can search, select, enter results, and save panels. This is the standard level used for technologists at Beaumont Royal Oak.
3. Full Access: Individuals with this level of access can search, select, enter results, save panels, review panels performed by other technologists, add supplies, and edit cells. This is the level used for technologists that can import new panels, delete individual cells, and delete full panels.

4. Administrator: Individuals with this level of access can do everything outlined in the other access levels. Additionally, they can adjust system parameters and edit the accounts of other users.

B. Importing New Panels and Screen Cells

1. This policy applies to all Surgiscreen sets, Selectogen sets, and antibody panels. Only those technologists who have been trained and signed off are authorized to import panels. These individuals have the "full access" or "administrator" access level in Antigen Plus. The user will print a copy of the new panel after importing and compare all data with the original manufacturer's antigram.
 - a. If any errors are seen on the Antigen Plus panel, the tech will follow the flow *Deleting Full Panel* and fill out a variance.
 - b. If there are no discrepancies, the tech should initial and date the printed panel and attach a copy of the printed panel to the antigram. These documents will be stored in the bottom right drawer at the antibody problems workstation.

C. Results Worksheet

1. Graded reactions may be entered directly into the selected cell panel prior to printing using the results worksheet. Although the Antigen Plus program is configured to perform tentative antibody identifications and rule-outs, the Blood Bank will not use the feature to perform tentative antibody identifications and rule-outs. The policies of Transfusion Medicine policy, [Interpretation of Antibody Investigations](#) supersede the configuration of the Antigen Plus program. It is the technologist's responsibility to perform antibody identifications and rule-outs based on the policies listed; **the technologist must NOT rely on the Antigen Plus antibody identification and rule-outs.**

D. Saving Selected Cell Panels

1. A generic name (example: "anti-E" or "panel") should be entered in the *Panel Number* field. The patient's name/MRN should not be entered when saving selected cell panels, due to patient confidentiality rules and the security of the shared drive on which the Antigen Plus program is saved.
2. Additional panel information may be added in the *Full Panel Description* field such as the date in which it was created, or the technologist that created it.
3. There is no requirement to save selected cell panels, but a technologist may do so if they feel it would be beneficial for any reason. If all selected cells panels were to be saved, then the storage capacity on the Antigen Plus Program may become depleted.

E. Deleting Individual Cells

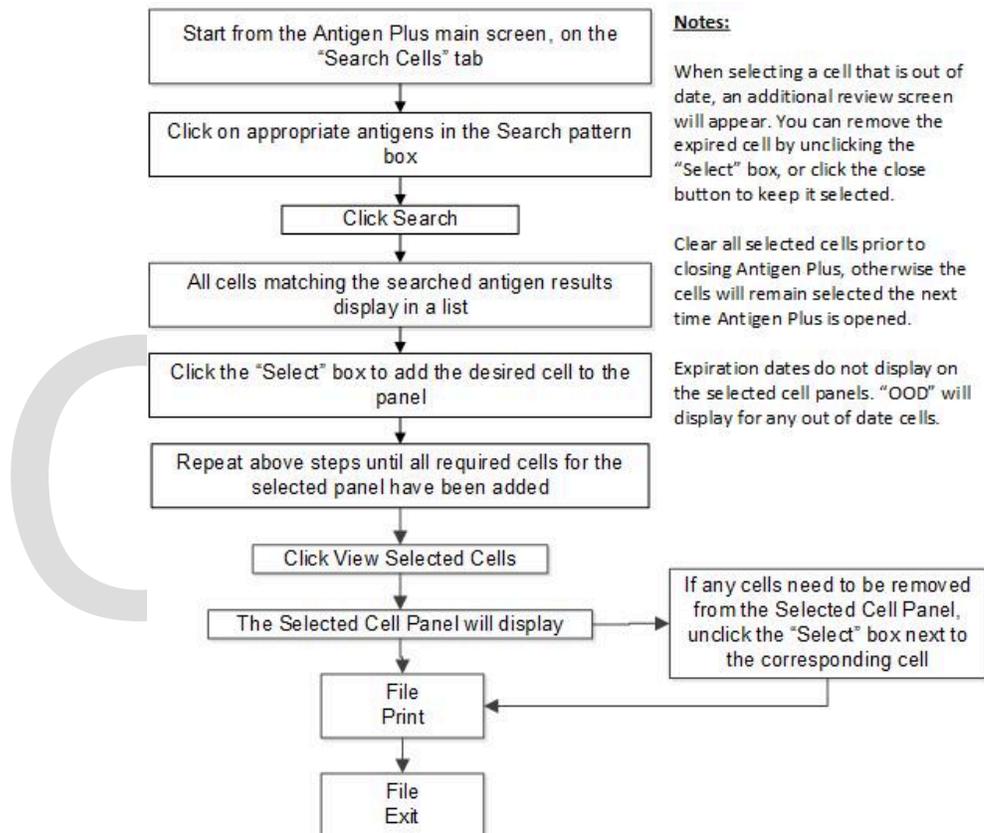
1. Cells should be deleted from the database if the volume is depleted / quantity not sufficient (QNS), by following the flow *Deleting Individual Cells*. Cells can only be deleted by technologists that have the "full access" or "administrator" access level in Antigen Plus.

F. Deleting Full Panels

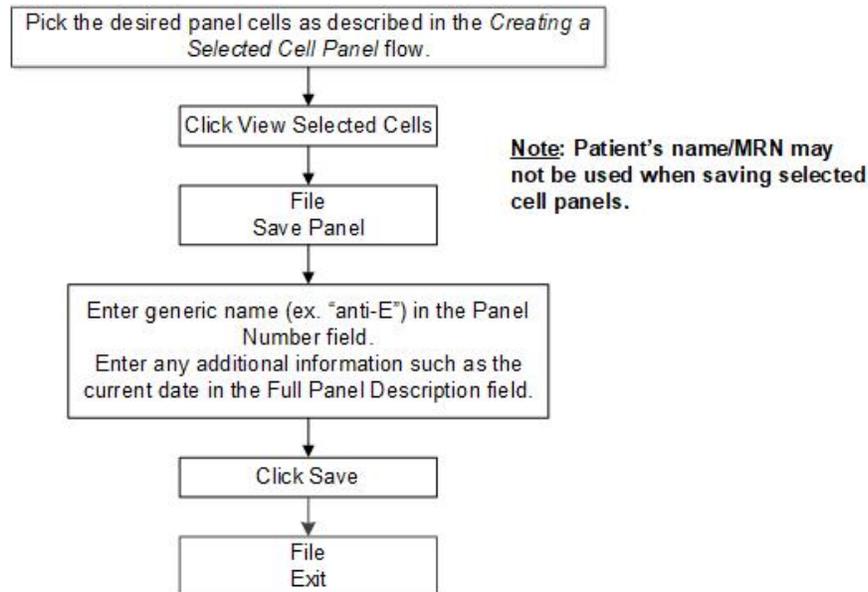
1. Full panels should be deleted from the database and physically disposed of after 90 days from the date of expiration. Refer to the flow *Deleting Full Panel*. Full panels can only be deleted by technologists that have the "full access" or "administrator" access level in Antigen Plus.

IV. PROCEDURE:

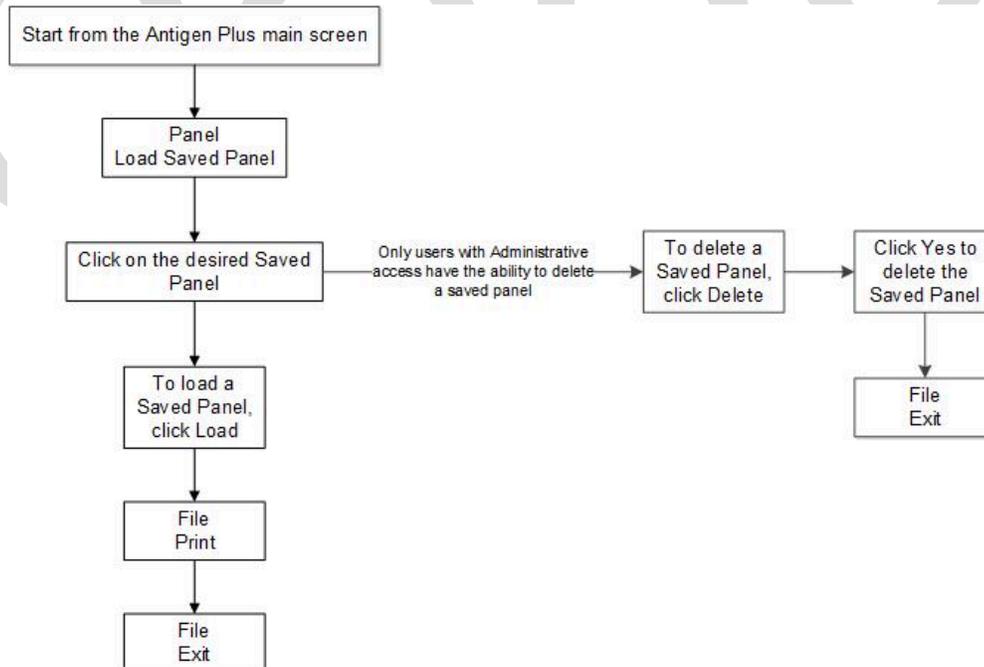
A. Creating a Selected Cell Panel



B. Saving Selected Cell Panels

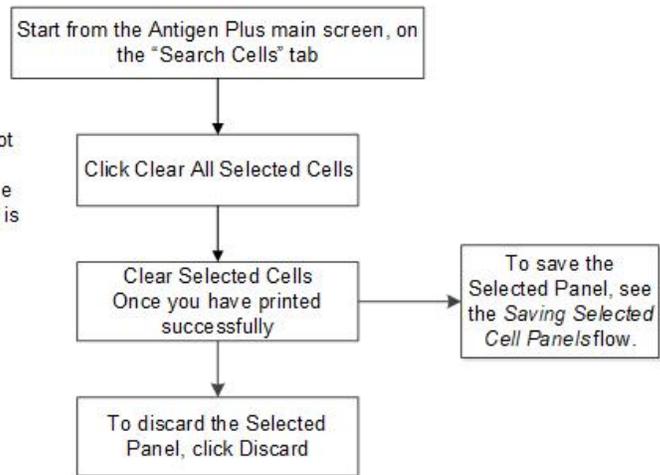


C. Opening/Deleting Saved Selected Panels

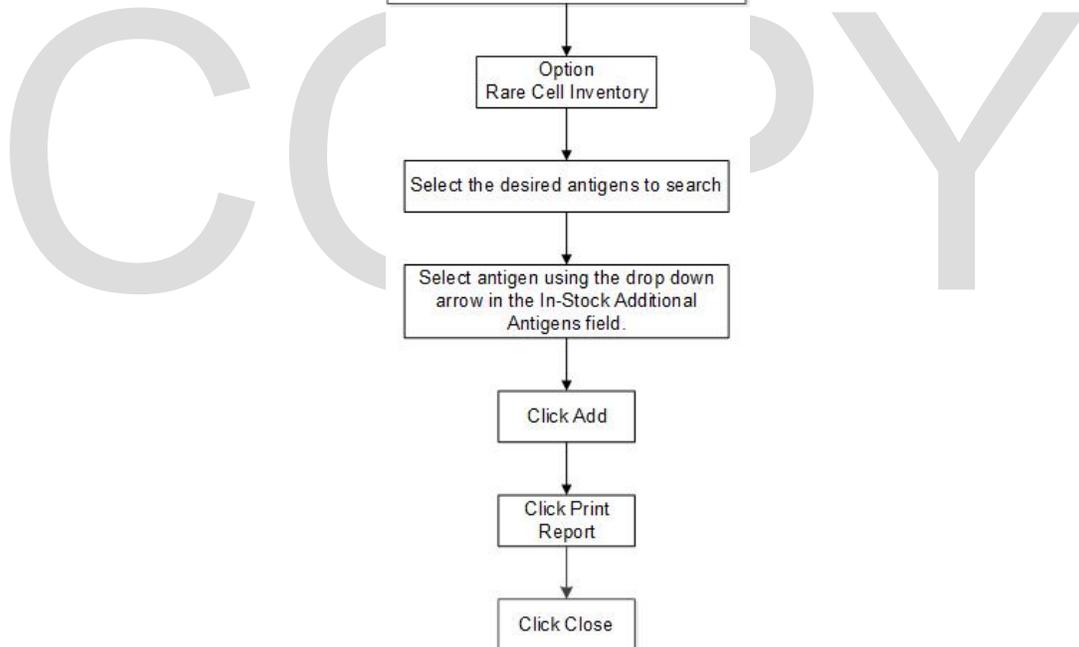


D. Clearing Selected Cell Panels

Note: If the selected cells are not cleared before closing out of Antigen Plus, the cells will still be selected next time Antigen Plus is opened.



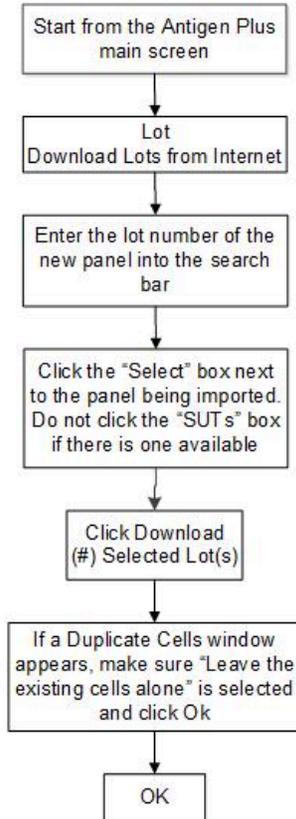
E. Search Rare Cell Inventory



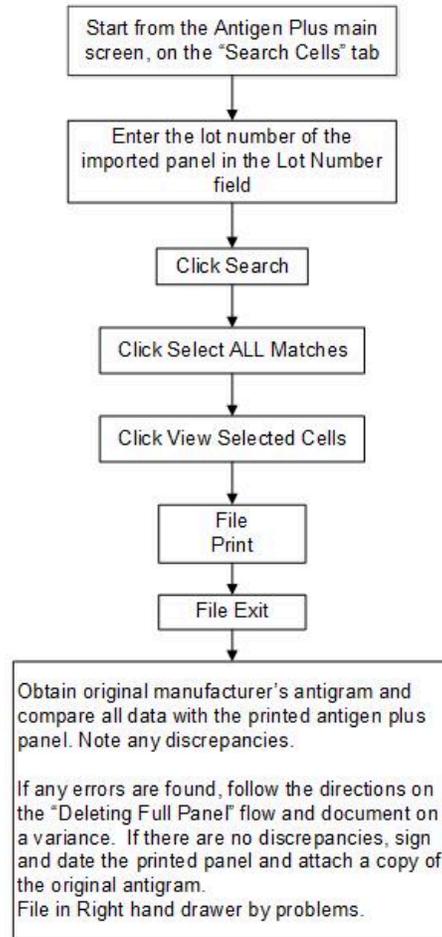
F. Importing New Panels

Part 1

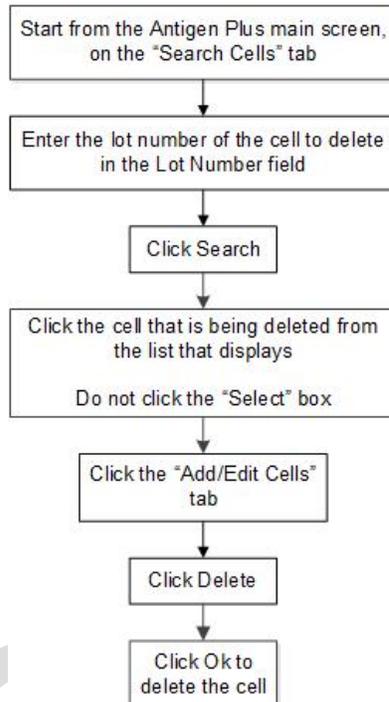
IMPORTANT: Only those technologists who have been trained and signed off are authorized to import panels.



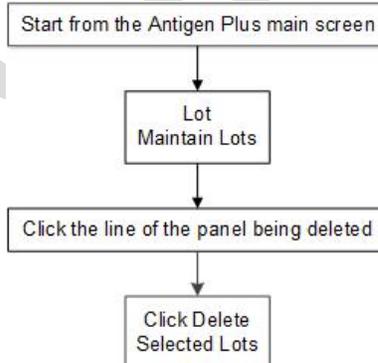
Part 2



G. Deleting Individual Cells



H. Deleting Full Panel



V. REFERENCES:

1. Rowney Systems, Inc. ANTIGEN PLUS Ab-ID Program User Guide, 2019.

Approval Signatures

Step Description

Approver

Date

Policy and Forms Steering Committee (if needed)	Ann Marie Blenc: System Med Dir, Hematopath	8/18/2023
	Kristina Davis: Staff Physician	8/14/2023
	Brooke Klapatch: Medical Technologist Lead	6/1/2023
	Kelly Sartor: Mgr, Division Laboratory	5/31/2023
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