**Purpose**

Use Blood Component Preparation and/or Blood Order Processing to document production of components and record the blood product data that results from blood component preparation.

**Method**

| **Step** | **Actions** | **Computer Processes** |
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| **1** | Thawing prepooled Cryo without assigning to patient | * Thaw prepooled cryoprecipitate as per SOP “Thawing Products using the Helmer Quickthaw System” for use as available stock. * Check the thawed cryo to assure it is intact, passes visual inspection, and ready for use. * Open Blood Component Preparation * Select look up by component preparation function. * Use code for thawing prepooled cryo (THCPP) or use search feature to select. * Tab through date and time if doing processing real time. Adjust date and time if necessary. * Accept default shift and Tech ID or change if needed. Continue. * Scan or type in unit number. Tab twice to change unit to thawed. * In the right pane of the window, the Unit tab shows data for the unit you select in the left pane. Enter any missing mandatory data for each output and new unit. (Yellow fields are mandatory). * The lower screen shows the Task Summary and each unit will have detailed Input and Output data. Review the Output new expiration date and time for accuracy. Change expiration on the unit’s label. * Task Summary list can be printed if desired by selecting Task Summary on bottom left of screen. * Select Save, a confirmatory box will ask if it should file all units, select OK, and the Output/New Units window opens, showing the results of preparation. Close. |

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| **Step** | **Actions** | **Computer Processes** |
| **2** | Thawing single prepooled cryo to be allocated to a specific patient order. | * Open Blood Order Processing on patient encounter. Select the order of transfuse cryo. * In Blood Order Processing, perform patient history check, update the units ordered if needed, and go to the Allocation tab. * Branch to Blood Component Prep * Select look up by component preparation function. * Use code for thawing prepooled cryo or use search feature to select. * Tab through date and time if doing processing real time. Adjust date and time if necessary. * Accept default shift and Tech ID or change if needed. Continue. * Scan or type in unit number. * In the right pane of the window, the Unit tab shows data for the unit you select in the left pane. Enter any missing mandatory data for output and new unit. (Yellow fields are mandatory). * The lower screen shows the Task Summary and each unit will have detailed Input and Output data. Review the Output new expiration date and time for accuracy. * Task Summary list can be printed if desired by selecting Task Summary on bottom left of screen. * Select Save, a confirmatory box will ask if it should file all units, select OK, and the Output/New Units window opens, showing the results of preparation. Close. * This action should branch back to the Blood Order Processing screen for the selected patient. The unit(s) should be listed in the Compatibility Testing Section. Select Ok to transfuse or Not Ok as required. Save. * Go directly to Issue, Issue Emergency, or select No to keep unit tagged in inventory until needed. |
| **3** | Thawing multiple units of cryo to be pooled and allocated to a specific patient order. | * Open Blood Component Prep. * Select look up by component preparation function. * Use code for thawing cryo or use search feature to select. * Tab through date and time if doing processing real time. Adjust date and time if necessary. * Accept default shift and Tech ID or change if needed. Continue. * Scan or type in unit number. Repeat with all units thawed. * The lower screen shows the Task Summary and each unit will have detailed Input and Output data. Review the Output new expiration date and time for accuracy. * Task Summary list can be printed if desired by selecting Task Summary on bottom left of screen. * Select Save, a confirmatory box will ask if it should file all units, select OK, and the Output/New Units window opens, showing the results of preparation. Close. |
| **Step** | **Actions** | **Computer Processes** |
| **4** | Pooling the cryo: | * Open Blood Order Processing on patient encounter. Select the order of transfuse cryo. * In Blood Order Processing, answer the patient history box and update the units ordered if needed. Go to the Allocation tab. * Branch to Blood Component Prep * Select look up by component preparation function. * Use code for pooling cryo or use search feature to select. * Tab through date and time if doing processing real time. Adjust date and time if necessary. * Accept default shift and Tech ID or change if needed. Continue. * Scan or type in unit numbers of the cryo previously thawed in steps above. * The lower screen shows the Task Summary and each unit will have detailed Input and Output data. Review the Output new expiration date and time for accuracy. New pool will have generated P# for unit and 4 hour expiration time. Use Hematrax label maker for new unit. * Task Summary list can be printed if desired by selecting Task Summary on bottom left of screen. * Select Save, a confirmatory box will ask if it should file all units, select OK, and the Output/New Units window opens, showing the results of preparation. The pooled unit number will be shown with the single units. Close.   This action should branch back to the Blood Order Processing screen for the selected patient. The pooled unit should be listed in the Compatibility Testing Section. Select Ok to transfuse or Not Ok as required. Save. |
| **5** | Thawing multiple units of cryo to be pooled and allocated to a specific patient order.  (continued) | * If single bags were rinsed with 0.9% Normal Saline, open Blood Product Entry and select Modify Unit in lower left hand corner. Enter Pool number for cryo unit. Select the comments tab and in code area enter or search for code “Saline” then in Free Text box enter “Saline rinse \_\_ml Lot Number \_\_\_\_ and exp \_\_\_\_.” Select Add then Save. You do not need to reprint the transfusion tag as this information is not on paperwork. The audit trail will show up in BBI under unit detail, comments. * Go directly to Issue, Issue Emergency, or select No to keep unit tagged in inventory until needed. |

**References:**

Blood Bank User Guide, Misys Laboratory