**Purpose**

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

**Procedure**

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| **Step** | **Actions** | **Computer Processes** |
| **1** | RBCSP Splitting Red Blood Cell Unit  | * Select appropriate unit for performing aliquots
* Document the new bag lot# and transfer set lot#
* Open Blood Component Preparation
* Select look up by component preparation function.
* Use code (RBCSP) for RBC aliquots/splits 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 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 each output and new unit. (Yellow fields are mandatory).
* Enter the volume for the new unit (BO), the original unit becomes AO and will have the remaining volume updated.
* 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. Both units have 24hr expiration from time of component preparation
* 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.
* Select Finish
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| **2** | Blood Label Check  | * Perform Blood label check on both labels (AO and BO)
* Write the ACD volume on the new labels and document verification
* Place the AO label on the original bag of RBC
* Place the BO label on the new unit/aliquot
* Both units expire 24hrs after the split process
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| **3** | Allocation  | * Allocate the correct unit to the patient using the TXM order
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**References:**

Blood Bank User Guide, Misys Laboratory V 7.1