

**Scope:**

This bulletin covers the preparation of the AXP Processing Bag Set.

**Background:**

The procedure to prepare the AXP Processing Bag Set prior to transferring the blood sample to it has been changed from the procedure listed in the current *AXP AutoXpress™ Platform Operator and Maintenance Manual*. The previous procedure called for expelling the air from the freezing bag with the handle rotated to 90° toward the RBC bag. The new procedure has the handle rotated to 45°, the tubing clamp 1 opened, and the blue cap on the DMSO filter removed prior to air expulsion.

**Procedure:**

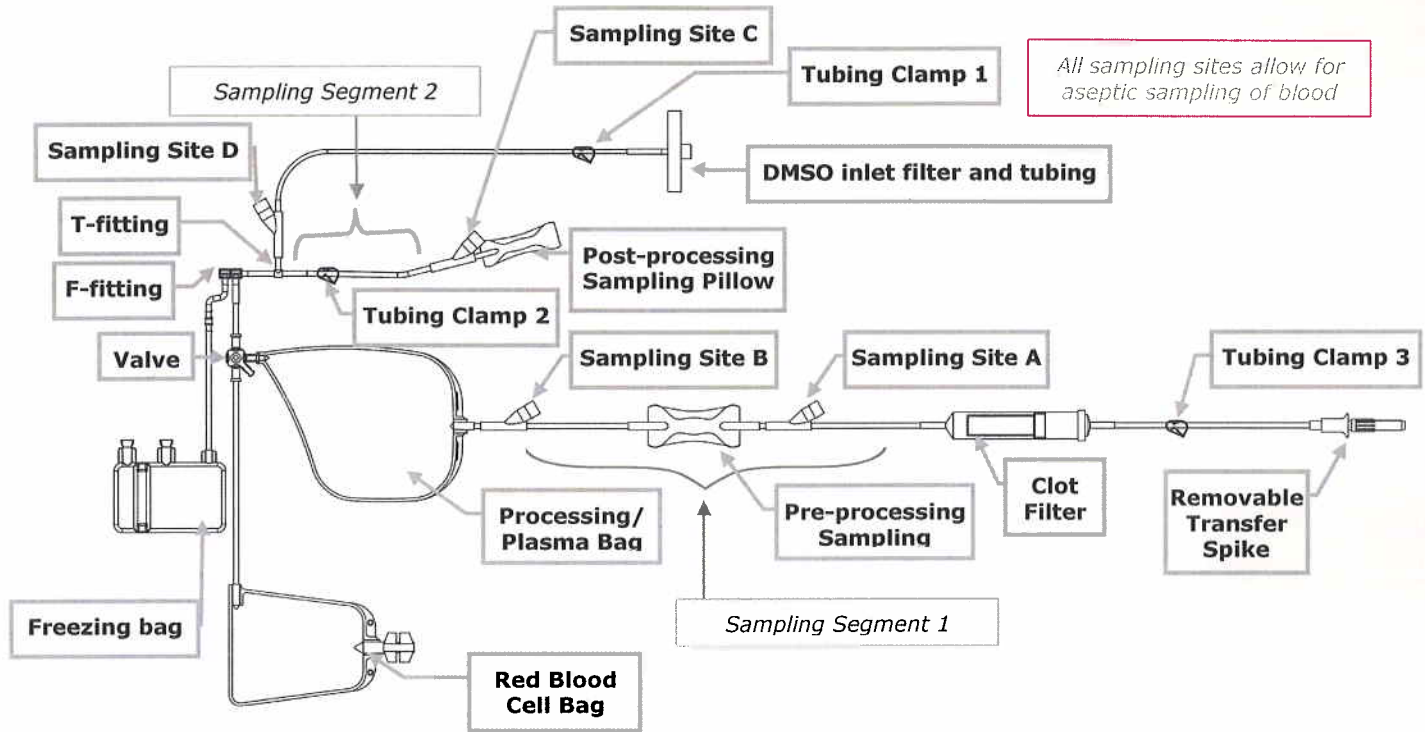
The attachment is the revised procedure. This information will be included in the next revision of the manual.

**Contact Information:**

If you have any questions, contact THERMOGENESIS CORP. Technical Service at 800-783-8357 (U.S. and Canada) or 916-858-5100 (non-U.S./Canada), fax to 916-858-5199, or email at [support@thermogenesis.com](mailto:support@thermogenesis.com) for assistance.

## Setup – Preparing Processing Set

**Figure 5-4:**  
Processing bag  
set



All sampling sites allow for aseptic sampling of blood



**CAUTION:** Use personal protective equipment for handling biohazardous materials. Dispose of biohazardous materials according to local regulations.

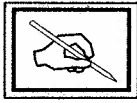
1. Obtain unit of cord blood to be processed.



**NOTE:** See Section *Cord Blood Requirements Guide* for accepted volumes and hematocrit.

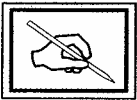
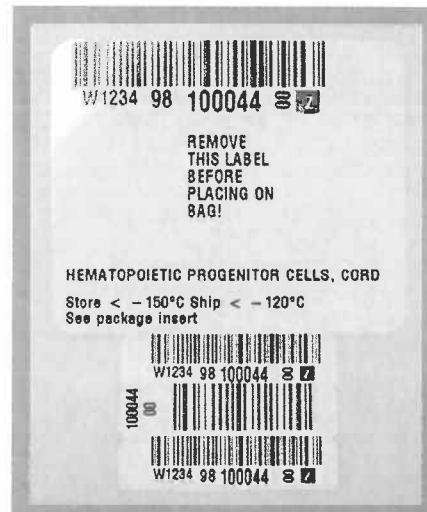
See next page

2. Generate freezing bag label set (Figure 5-5).



**Figure 5-5:**  
Sample freezing  
bag label set (for  
use in BioArchive  
System)

**NOTE:** AXP Freezing Bag Labels (8-5124) are required on AXP bag sets. If using ThermoGenesis Corp. BioArchive System, Canister Barcode Labels (8-5121) are required on BioArchive Canisters.



**NOTE:** Only ThermoGenesis barcode label sets and barcode label printers have been validated for use on AXP bag sets and BioArchive Canisters. Usability of non-ThermoGenesis labels must be validated by user facility.

3. Open sealed tray containing processing bag set. Remove processing set and inspect for any damage (e.g., broken valves, broken fittings). If tray seal is broken or processing set is damaged, see Section *Process for Returning AXP Platform Products* – Chapter 9.



**CAUTION:** Take care when handling processing set. Minimize twisting, turning and bending processing/plasma bag by following proper loading and unloading instructions. Excessive manipulation could cause a breach in the processing set.

4. Orient processing/plasma bag so label is facing up.

5. Ensure tubing clamp 1 located on DMSO line (Figure 5-6) is open. Remove blue cap on DMSO filter.

**Figure 5-6:**  
Clamp on DMSO  
line.



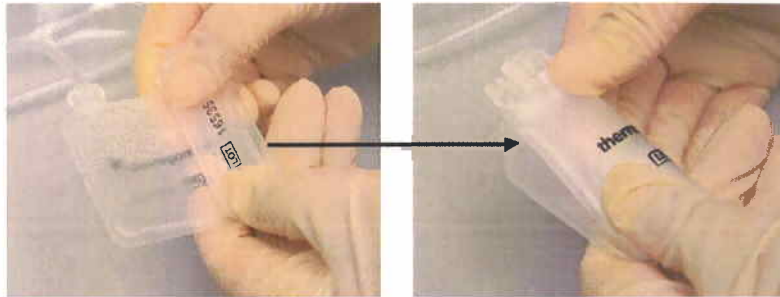
6. Ensure valve handle is 45° so that it is midway between RBC bag and processing/plasma bag (Figure 5-7).

**Figure 5-7:**  
Turning valve 45°



7. Expel air from freezing bag, by folding bag as shown (Figures 5-8a and 5-8b). Air from freezing bag will flow out of DMSO filter.

**Figures 5-8a  
and 5-8b:**  
Expelling air from  
freezing bag



8. While keeping bag folded, close tubing clamp 1 (Figure 5-6).



**CAUTION:** Failure to close tubing clamp 1 will cause processing failure.

9. Release bag and reinstall the blue cap back onto the DMSO filter (Figure 5-6). Bag should now have a concave appearance (Figure 5-9).



**CAUTION:** Failure to properly position valve handle may result in air returning to freezing bag and may cause some difficulty when placing valve into valve actuator cuff.



**CAUTION:** Failure to properly expel air from freezing bag or inability to maintain air evacuation may result in improper fluid metering during processing.

10. Hold bag with minor compartment on right and segment tube on left (Figure 5-9).

**Figure 5-9:**  
*Freezing bag, air expelled*

