PEdiatric Blood And Marrow TRANSplant PROGRAM

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use of lab-line maxi rotators

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PBMT-GEN-043
USE OF LAB-LINE MAXI ROTATORS

1 PURPOSE
1.1 In the event that a blood product cannot be infused within 10 minutes upon arrival to the unit, the cells are to be gently rotated on the Lab-Line Maxi Rotator for up to 2 hours prior to infusion.

1.2 If the cells cannot be infused within 1 hour upon arrival to the unit, the care nurse will notify the blood bank to return the product or contact the Stem Cell Laboratory (STCL), as applicable, for instructions regarding the product.

2 INTRODUCTION
2.1 This procedure will address the circumstances in which the rotator will be used. The practice of coordinating the timing of the infusion and delivery of blood products from both the Blood Bank and with the Stem Cell Laboratory staff should continue to occur to ensure that cells can be infused immediately (or at least within 10 minutes) from the time of delivery to the unit.

3 SCOPE AND RESPONSIBILITIES
3.1 The Medical Director and Nurse Manager are responsible for ensuring that the requirements of the procedure are successfully met.

3.2 Registered Nurses (RNs) caring for pediatric stem cell transplant patients must revalidate on an annual basis their clinical competency to administer all blood products.

4 DEFINITIONS/ACRONYMS
4.1 RN Registered Nurse
4.2 STCL Stem Cell Laboratory

5 MATERIALS
5.1 N/A

6 EQUIPMENT
6.1 Lab-Line Maxi Rotator Models 4631, 4631 JPN, 4631-1CE

7 SAFETY
7.1 Use appropriate Personal Protective Equipment (PPE) when handling blood products.
8 PROCEDURE
8.1 If a blood product cannot be hung for infusion to the patient within 10 minutes (from the time of arrival on the unit), the bag of cells should be gently rotated on the Lab-Line Maxi Rotator for up to 2 hours at room temperature.
   8.1.1 Turn POWER switch to the ON position.
   8.1.2 Rotate the SPEED CONTROL to a point where the platform is just moving. At this level of rotation, determine that the bag on the platform is secure and that no leaks are present.
   8.1.3 Slowly increase the speed of rotation to 6-8 on the dial and continue to observe briefly to ensure that the bag continues to remains secure.
   8.1.4 The cells can remain on the rotator for up to 2 hour prior to infusion.
   8.1.5 When the product is ready for infusion, remove the bag from the rotator, and follow the appropriate procedure.
   8.1.6 Turn the SPEED CONTROL to 0 and turn the POWER switch to the OFF position.
   8.1.7 Cleaning: Any/all visible spills should be cleaned up immediately using a cleaning solution made of warm water and a mild detergent. Rinse off with clean water and dry thoroughly. Do NOT use abrasive cleaners on surfaces.
   8.1.8 Mechanical Problems: If you have any mechanical problems with the rotator, contact the Clinical Engineering department or designated service personnel to ensure that the unit is serviced according to manufacturer’s guidelines.

9 RELATED DOCUMENTS/FORMS
9.1 PBMT-GEN-039 Continuous Platelet Infusion
9.2 PBMT-GEN-040 Transfusion of Packed Red Blood Cells
9.3 PBMT-GEN-041 Infusion of Platelets
9.4 PBMT-GEN-042 Infusion of Granulocytes

10 REFERENCES
10.1 Operation Manual, Lab-Line Maxi Rotators, Models # 4631, 4631JPN, 4631-1CE
10.2 Circular of Information
10.3 FACT Standards for Hematopoietic Progenitor Collection, Processing, & Transplantation, Current Edition
10.4 AABB Technical Manual, Current Edition

PBMT-GEN-043 Use of Lab-Line Maxi Rotators
PBMT, DUMCr
Durham, NC

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### 11 REVISION HISTORY

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<td>Introduction section updated to be 2 hours instead of 1 hours as follows: … the cells are to be gently rotated on the Lab-Line Maxi Rotator for up to 2 hours prior to infusion.</td>
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### PBMT-GEN-043 Use of Lab-Line Maxi Rotators

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#### Medical Director

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