



**DukeMedicine**  
Division of Cellular Therapy



## ADULT AND PEDIATRIC BLOOD AND MARROW TRANSPLANT PROGRAM

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**DOCUMENT TITLE:**

Optia Competency Based Orientation FRM1

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## APBMT-COLL-002 FRM1

### Optia Competency Based Orientation

Name:	Year:	
This checklist will be completed twice-yearly by an Apheresis Coordinator or designee. <b>Performance Expectation:</b> Performs Leukapheresis using the Spectra Optia		
<b>Assessment of Learner Outcomes</b>	<b>#1</b> (Date/Initials)	<b>#2</b> (Date/Initials)
Verbalizes rationale for collecting Mononuclear Cells		
Verbalize knowledge of stem cell mobilization and importance of troubleshooting mobilization issues with the daily apheresis MD		
Verify MD order for type of apheresis procedure to be performed and collection targets		
Select Appropriate Procedure, Sets up, Load, and Prime the Optia WBC kit set according to the on-screen instructions		
Verbalizes the alarm tests performed on the Optia machine and the importance of each test		
Perform the daily alarm tests on Optia machine		
Enters patient data into the Optia's Patient Data Tab on machine		
Verbalize the importance of priming blood warmer tubing prior to connecting patient.		
Verbalize the importance of maximum height of the blood warmer from the patient's return line.		
Prime and QC the blood warmer.		
Assess patient, review medications and labs, and complete the Interim Donor History Questionnaire		
Verbalizes procedure for reporting deviations from normal		
Verify that informed consent has been obtained for the request procedure. If not present, obtain informed consent		
Verbalize the importance of the Infectious Disease Markers		
Confirm that Infectious Disease Markers blood test have been done within 30 days for PBSCs, CAR-Ts, and Research studies, if required. Confirm that blood test have been done within 7 days for DLIs and Granulocytes		
Verbalize how to document "Pending" Summary of Donor Eligibility results		
Describe the procedure for Emergency/Exceptional Release for donors with exceptions		
Complete the Apheresis Plan of Care		

<b>Assessment of Learner Outcomes</b>	<b>#1 (Date/Initials)</b>	<b>#2 (Date/Initials)</b>
Verbalize reasoning for blood prime		
Verbalize blood prime procedure		
Calculates extracorporeal volumes, if not using blood prime		
Verbalize collection preferences and describe the different HCT needed for each procedure		
Monitors run parameters every 30 minutes. If using blood warmer, monitor every 30 minutes		
Collects plasma, as needed		
Verbalize how to change run parameters		
Verbalize how to complete the CMNC algorithm		
Describe the collection trend graph and its importance in product collection		
Describe the AIM system and its importance in product collection		
Describes rationale and procedure for use of Heparin Protocol		
Describe the mechanism of action of ACD		
Checks vital signs per standard of practice for area and procedure. Verbalizes parameters to report		
Perform Rinseback procedure		
Describe reason for Disconnect versus Rinseback		
Describe the importance of clamping product bag before performing Rinseback procedure		
Verbalize the Procedure Summary and how to obtain Optia fluid balance		
Verbalizes 4 side effects of apheresis along with possible nursing management		
Describe the mechanism of action of ACD		
Verbalize how to obtain the alarm history and report		
Verbalize how to obtain the fluid balance during the procedure		
Verbalize how to optimize the product collection		

Assessment of Learner Outcomes	#1 (Date/Initials)	#2 (Date/Initials)
Verbalize how to report any abnormal lab results or adverse reactions to apheresis with BMT MD		
Verbalize how to troubleshoot any alarms during prime, the collection run, and Rinseback/Disconnect		
Utilizes the ABMT or PBMT Apheresis Checklist to complete all apheresis related documentation on the related forms and documents in electronic medical record.		
Demonstrate how to use the appropriate Apheresis Log to document patient collections		
Label the products bags and attach demographic tag(s)		
Perform product base label verification		
Perform the Temperature and Humidity Checks		
Deliver product to lab using appropriate Change of Custody Form		
Describe how to make additional apheresis treatment plans in conjunction with the attending MD, APP, or BMT MD		
Unload machine tubing kit and clean machine using hospital approved cleaning products		
Complete apheresis run sheet, make a copy, and return the original to the lab		
Prepares equipment, supplies and paperwork necessary for the next day, if applicable		
Notify Apheresis coordinator for kit, procedural, and staffing issues		
Perform daily and weekly check-list, if applicable		
Describes the procedure for obtaining machine repairs		
Locates policies and procedures for all apheresis procedures		

Comments:

Signature and Title of Preceptor(s):	Date:	
Signature and Title of Preceptor(s):	Date	

**Signature Manifest****Document Number:** APBMT-COLL-002 FRM1**Revision:** 01**Title:** Optia Competency Based Orientation FRM1

All dates and times are in Eastern Time.

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