

**DukeMedicine****Division of Cellular Therapy****DOCUMENT NUMBER:** ABMT-COLL-002 FRM5**DOCUMENT TITLE:**

Photopheresis (ECP) - Cellex Competency Based Orientation FRM5

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PHOTOPHERESIS (ECP) CELLEX COMPETENCY BASED ORIENTATION

Name:		Year:	
This checklist will be completed twice-yearly by the Apheresis Coordinator and/or designee.			
Performance Expectations	Assessment of Learner Outcomes	Performs Independently Date/Initials	Performs Independently Date/Initials
Uses Manual for Reference	Have Photopheresis Operators Manual or Step by Step guide at bedside during each procedure for reference, as needed		
Performs ECP Using the Therakos CELLEX System	Verbalizes rationale for performing ECP		
	Ensures order is entered in electronic medical record		
	Ensures consent is signed		
	Draws labs per protocol. Reports abnormal labs to attending MD		
	Reviews ECP procedure with patient		
	Reviews photosensitivity requirements and low fat diet with patient		
	Confirms documentation of central line or place PIV(s) for treatment		
	Locates ECP required forms in Photopheresis Suite: RUN sheet, order sheet, and care plan		
	Obtains supplies: ECP kit, 500mL NS and 500mL ACD-A from monitored supply closet.		
	Records lot numbers of kit, NS, and ACD-A on RUN sheet including Card Number		
	Sets up and primes the CELLEX machine:		
	Ensures treatment and return bag hooks are balanced at zero("0") prior to hanging bags		
	Follow either Operators Manual or Step by Step guide for correct installation of kit		
	Completes final inspection after kit installed and prior to initiating prime		
	Calculates Total Blood Volume, extracorporeal volume, and reserve volume using patients HCT		
	Initiates ECP:		
	Single needle mode: sets return minimum pressure to -100 and return bag threshold to 100; decrease inlet collect to 25 mL/min during air purge sub-phase.		
	Double needle mode: set return minimum pressure to -100 and return bag threshold to 100; decrease inlet collect to		

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	25 mL/min and return to 10 mL/min during air purge sub-phase. Maintain return flow rates 5 mL/min higher than collect flow rates.		
	Monitors run every 15 minutes for: kinks, the collect and return flow rates, position of interface, lipemic plasma, and centrifuge bowl optic value. Document on photopheresis run sheet.		
Performance Expectations	Assessment of Learner Outcomes	Performs Independently Date/Initials	6 month review Date/Initials
	Describe the mechanism of action of Uvadex and calculate dose using treatment volume		
	Describe the rationale for: distance allowing for air circulation, use of electronic devices, and using a kit within the allotted four hour period.		
	Troubleshoots all Alarms		
	Follows instructions on the CELLEX operators interface screen and supplements with Operators Manual, including Tech Bulletins.		
	Calls Therakos for troubleshooting help (number located in photopheresis suite) if alarm cannot be resolved.		
Completion:	End of treatment		
	Checks vital signs pre and post-procedure and as needed		
	Reports any adverse reactions to ABMT MD		
	Record run data and fluid balance on run sheet and place in chart		
	Verify next appointment with lab work has been made		
	Document required information in photopheresis log, including Age and WBC count for day 1		
	Unloads kit and cleans machine per protocol		

Preceptor:	Date:
Preceptor:	Date:

Signature Manifest**Document Number:** ABMT-COLL-002 FRM5**Revision:** 04**Title:** Photopheresis (ECP) - Cellex Competency Based Orientation FRM5

All dates and times are in Eastern Time.

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Document Release

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