

STEM CELL LABORATORY (STCL)



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DOCUMENT TITLE: CD56+ Selection Worksheet FRM1			
DOCUMENT NOTES:			

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STCL-PROC-019 FRM1 **CD56+ SELECTION CLINIMACS WORKSHEET**

BARCODE*

Recipient Name:	_ History #:	ABO/Rh:
Donor Name:		ABO/Rh:
(* In the event that products are pooled to obtain a sample f pooled products below, and assign a new barcode to design		
BARCODE		BARCODE
Recipient's Weight (kg):	Product Description	on:
Date of Procedure:	Performing Techn	nologist:
Product/Procedure Limitations :		
• $\leq 10 \times 10^9$ CD56+ cells; $\leq 40.0 \times 10^9$ T	NC: 1 vial CliniMA	.CS CD56 reagent
• $\leq 5.0 \times 10^9 \text{ CD56+ cells}; \leq 40.0 \times 10^9 \text{ TP}$	NC: Tubing Set Ref	No. 161-01
• $\leq 2.0 \times 10^9 \text{CD56+ cells: 2 liters prepared}$	d PBS/EDTA buffer	r; 300 mL cell collection bag
• 2 – 5.0 x 10 ⁹ CD56+ cells: 3 liters prepa	red PBS/EDTA buf	fer; 600 mL cell collection bag
Pre-Overnight Testing (if applicable)		
Remove sample for cell count, viability, flow, A	BO, sterility, and nu	unes:
Product Cell Count (x 10 ⁶):	Product Vo	olume (mL):
Total Cells (x 10 ⁹):	Viability: _	
Sterility Bottles Inoculated:	Nuncs:	
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Pre-Sample Testing (Sample A)

Remove sample for cell count, viability, f remove samples for ABO, sterility, and nu	low, and HPCA. If no pre-overnight testing perfornuncs:	ned, also
Product Cell Count (x 10 ⁶):	Product Volume (mL):	
Total Cells (x 10°):	Viability:	
Sterility Bottles Inoculated:	Nuncs:	
Sample taken to Flow and HPCA:	<u> </u>	
 Working Buffer Prepared (20 mL of 25% 2 liters for products with ≤ 2.0 x 3 3 liters for products with 2 - 5.0 x 		
<u>Wash I</u>		
Transfer well mixed product to a labeled of grams	600 mL transfer pack and weigh to obtain volume:	
Volume of product subtracted from 600: _	grams (amount of buffer to add)	
Actual amount of PBS added:	grams	
Total volume of product and buffer:	grams	
Centrifuge at room temperature at 1250 R	PM for 15 minutes, no brake :	
Remove from centrifuge, let hang 10 minuto Volume expressed: • Volume remaining in cell bag: • Volume of buffer to add: • Target volume = 95 +/- 5 • Final volume:	grams grams	mL
Mix cells gently and thoroughly:		
Cell Processing – Labeling		
Inject cold CD56+ reagent (followed by a	syringe of air):	
Amount of reagent injected:		
Time reagent injected:		
Incubate for 30 minutes at room temperate	ure with gentle rotating/mixing every 5 minutes:	
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Wash II Weigh to obtain volume:grams
Volume of product subtracted from 600:grams, (amount of buffer to add)
Actual amount of PBS added:grams
Total volume of product and buffer:grams
Centrifuge at room temperature at 1250 RPM for 15 minutes, no brake :
Remove from centrifuge, let hang 10 minutes, and express all supernatant: • Volume expressed: grams • Volume remaining in cell bag: grams • Volume of buffer to add: grams o
Mix cells gently and thoroughly:
Pre-CliniMACS Testing (Sample B)
Remove 1.0 mL for cell count, viability, flow, and HPCA:
Product Cell Count (x 10 ⁶): Product Volume (mL):
Total Cells (x 10 ⁹): Viability:
Cell Processing – Magnetic Separation (CliniMACS)
In the BSC, inject 60 mL of air to product bag prior to connecting to tubing set:
 Insert a Plasma Transfer Set with a female luer adapter into a labeled transfer pack: 300 mL transfer pack for products with ≤ 2.0 x 10⁹ CD56+ cells 600 mL transfer pack for products with 2 − 5.0 x 10⁹ CD56+ cells
Weigh the pack/transfer set and record weight (tare weight for the final product):
Unpack the tubing set under the hood, tighten the connectors, and attach the cell collection bag to the luer connector on the tubing set: • Tubing Set Ref No. 161-01 for products with $\leq 5.0 \times 10^9 \text{ CD56+}$ cells
 Connect the pre-system filter to the tubing set: Remove the cap from the bubble trap spike of the drip chamber: Remove the cap from the lower opening (non-spike) of the pre-system filter and firmly inser the spike into the pre-system filter: NOTE: Be extremely careful; refer to STCL-PROC-018 for further connection instructions.

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BA	RC	DDE*
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		DARCODE
Connect the cell preparation bag to the pre-system fil	ter:	
 Clamp the tubing below the bubble trap: Remove the cap from the pre-system filter sp 	 oike and spike the cell prepare	aration bag:
	one and spine are con prop	aramen eag
Connect the remaining buffer bag to the tubing set:Clamp the tubing below the spike on the tubing below the spike of tubing bel	na cet:	
 Remove the cap from the tubing set spike an 		
• NOTE: If $2 - 5 \times 10^9$ CD56+ cells, the Clini		of prepared working
buffer. Connect these using a plasma transfer		
sure to close the roller clamp on the plasma t	ransfer set before spiking i	into the buffer bag.
Set up the CliniMACS:		
• Select ENRICHMENT 1.1:	I. 161 01.	
Select CLINIMACS TS for tubing set Ref. NWBC concentration (Sample B):	NO. 161-01:	
 Percentage of labelled cells (% viable CD56- 	+ [Total] on Sample A flow	v printout):
Sample loading volume (Sample B):	_	. ,
• Follow remaining steps on CliniMACS:		
NOTE : Prior to initiation of procedure on CliniMAC open/unclamped.	CS ensure the blue clamp of	the transfer set is
Date/time sample loaded on CliniMACS:		
Cell Processing – Post Magnetic Separation		
Process Code Number:		
Weigh the cell collection bag (subtract the pre-determ	nined tare weight):	
Post-Selection Testing (Sample C)		
Remove 2.0 mL for cell count, viability, flow, HPCA	a, endotoxin, and Gram stai	n:
Product Cell Count (x 10 ⁶):	Product Volume (mL)	:
Total Cells (x 10 ⁹):	Viability:	
Sample taken to Flow and HPCA:		
Sample sent for endotoxin testing:		
Sample sent for STAT Gram stain:		

Post-Selection Wash Wash Media Prepared (10 mL of 25% HSA to 100 mL Plasma-Lyte A):				
If < 100mL				
Transfer ~25 mL of cells to each conical centrifuge tube, fill with wash media:				
Centrifuge at room temperature at 1800 RPM for 15 minutes, no brake :				
If >100mL				
Volume:				
Add equal amount of Wash Media (example 30mL of 25% HSA to 300mL Plasma-Lyte A)				
Actual amount of Wash Media added:mL.				
Total volume of product and Wash Media:mL				
Centrifuge at room temperature at 1800 RPM for 15 minutes, no brake :				
Remove from centrifuge, let hang 10 minutes, and express <u>all</u> supernatant: • Volume expressed: grams • Transfer and measure in 60mL syringe, if >60mL transfer to 300mL bag • Volume of Wash Media to add if volume of cells <50mL: • Target volume = >50mL) • Final volume:				
Mix cells gently and thoroughly:				
Post-Wash Testing (Sample To Infuse)				
Remove 0.2 mL for cell count and viability:				
Product Cell Count (x 10 ⁶): Product Volume (mL):				
Total Cells (x 10°): Viability:				
Sterility Bottles Inoculated (5.0 mL of supernatant/bottle):				
Post-Wash Percent Recovery:				

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COMMENTS:			
I certify that all reagents and supplies contamination, irregularities, defects of	r flaws.		-
	Date	Initials	
I certify that all heat sealed tubing and samples exhibit no signs of leakage, ir	regularities, defects		
I certify that the biological safety cabi BEFORE and AFTER the procedure.	net (BSC) used to pro	ocess these cellular produ	ucts was cleaned
-	Date	Initials	

PROCESSING LOT NUMBERS

N/A – Not Applicable (supply not used)

* See Supply Management Log

ITEM	SUPPLIER	LOT	EXPIRATION	USED
		NUMBER	DATE	
Alcohol Pads	Cardinal Health			
Albumin – human 25%	Duke Pharmacy			
BacT/Alert SA	Biomerieux			
BacT Aletrt SN	Biomerieux			
ChloraPrep® SEPP Applicators	CareFusion			
Cryogenic Storage Bags (250ml)	Origen			
Cryogenic Storage Bags (50ml)	Origen			
DMSO	Protide Pharm.			
Needles 16 Gauge	BD Medical			
Needles 19 Gauge	BD Medical			
Spinal Needle 18 Gauge	BD Medical			
Plasmalyte-A	Baxter			
Sodium Chloride 0.9%	Hospira			
PBS/EDTA Buffer	CliniMACS			
CliniMACS CD56+ Reagent	CliniMACS			
CliniMACS Tubing Set	CliniMACS			
Ref No. 161-01	CililiviACS			
Plasma Transfer Set (spike-needle)	Fenwal			
Plasma Transfer Set (pinch clamp)	Charter Medical			
Blood Transfusion Filter	Haemonetics			
Sampling Site Coupler	Fenwal			
Sterile Docking Wafers	Terumo Medical			
Stopcock (99% DMSO resistant)	Tyco			
Syringe 3 ml	BD Medical			
Syringe 5 ml	BD Medical			
Syringe 10 ml	BD Medical			
Syringe 20 ml	BD Medical			
Syringe 30 ml	BD Medical			
Syringe 60 ml	BD Medical			
Transfer Pack 300 ml	Fenwal			
Transfer Pack 600 ml	Fenwal			

KEY EQUIPMENT USED IN PROCESSING

EQUIPMENT	MANUFACTURE	SERIAL/ID NUMBER
BSC	BAKER/NUAIRE	
CENTRIFUGE	SORVALL	
CENTRIFUGE	ALLEGRA	
STERILE WELDER	TERUMO	
CONTROL RATE FREEZER	CRYOMED	
CLINIMACS	Miltenyi	
PIPETS	(See Next Page)	

PIPETS	LOCATION	SERIAL#	Check ✓ if Pipet Used (Leave blank if not used)
Gilson P-20	Processing	G8011587	
Gilson P-20	Processing	M12134J	
Gilson P-20	Processing	N17205D	
Gilson P-20	Processing	C19628D	
Gilson P-20	Processing	K18317A	
Gilson P-20	Processing	K18323A	
Gilson P-200	Processing	E14789J	
Gilson P-200	Processing	M11107G	
Gilson P-200	Processing	A8520517	
Gilson P-200	Processing	D8522323	
Gilson P-200	Processing	N10367D	
Rainin Pipet-Lite XLS L-200	Processing	J1269538T	
Rainin Pipet-Lite XLS L-200	Processing	I1261887T	
Rainin Pipet-Lite XLS L-200	Processing	D1326636T	
Rainin Pipet-Lite XLS L-200	Processing	J1269359T	
Rainin Pipet-Lite XLS L-1000	Processing	C1321620T	
Rainin Pipet-Lite XLS L-1000	Processing	C1321482T	
Rainin Pipet-Lite SL-300	Processing	I0985193K	

TECHNOLOGIST'S SIGNATURE _		
DATE		

Signature Manifest

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All dates and times are in Eastern Time.

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Document Release

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