

STEM CELL LABORATORY (STCL)



DOCUMENT NUMBER:	STCL-SOP-052 FRM1	
DOCUMENT TITLE:		
Progenitor Cell Assay Form		
DOCUMENT NOTES:		
Document required for the BLA.		

Document Information

Revision: 03 Vault: STCL-Processing-rel

Status: Release Document Type: SOPs

Date Information

Creation Date: 07 Feb 2013

Release Date: 15 Feb 2013

Effective Date: 15 Feb 2013

Expiration Date:

Control Information

Author: WATE02

Previous Number: 9D.212

Change Number: STCL-CCR-115

DUKE UNIVERSITY MEDICAL CENTER STEM CELL LABORATORY PROGENITOR CELL ASSAY FORM

Bar code						
Date Collected:			•			
Date Received:						
			Segn	nent volume (if	thawed) _	
					,	
Source:						
Cell Count per ml xl				x10 ⁵	2.5x10 X	$p^5 = \mu l \text{ neede}$
Source:	-					
Cell Count per ml xl	05			x10 ⁵	2.5x10 X	o ⁵ = ul neede
Calculation by Tech	Study ID	#:	· · · · · · · · · · · · · · · · · · ·	,		
Plating by Tech Stu	dy ID #: _					
Results:						
Cells Plated per Well	GM	GEMM	BFUE	Read by	Date	Checked by
Per I, en				1		
por mon						

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TNCC:				-	
GM					
1.25x10 ⁴	X		x10 ⁹	=	x10 ⁵
GEMM					
1.25x10 ⁴	X		x10 ⁹	=	x10 ⁵
BFU-E					
1.25x10 ⁴	X		x10 ⁹	=	x10 ⁵
Reviewed by:		·			
-	(Technolo	gist's Name)			
Date Reviewed:					

Field	Requirement
Barcode	Enter barcode of the unit
Date collected	Enter date collected
Date received	Enter date received into lab
Source	Enter UCB. A second source field is listed in
·	case the assay needs to be repeated.
Cell Count per ml xl0 ⁵	Enter cell count per ml
# of uls needed	Enter the total # of uls needed to perform the
	assay (based on the cell count per ml) using
	the formula provided.
Calculation by Tech Study ID	Study ID of tech performing calculations
Plating by Tech Study ID #:	Study ID of tech responsible for plating the
	cells
Results	Enter results of assay. Results will be
	recorded in triplicate. The average result will
	also be provided below for GM, GEMM, and
٠٠٠٠٠	BFUE colonies.
Comments	Enter any comments applicable to this assay.
TNCC (Back Page)	Record the TNCC in the entire UCB unit
GM / 1.25 x 10 ⁴ (Back Page)	Record the average # of GM colonies
	(reported on the 1^{st} page) / 1.25×10^4 .
	(Record the number of GEMM & BFUE
0	colonies as well).
Solving for "x" / TNC x10 ⁹	Solve for "x" being the "# of colonies" in the
(Back Page)	entire UCB unit (Do the same calculation for
	GEMM & BFUE)
Total # of GM, GEMM, and BFUE colonies	Transcribe these results onto the Graft
$(x 10^5)$ in the entire UCB unit	Characterization Form which will be
	manually entered in the CCBB Emmes
	Database.
Reviewed by:	Technologist's name who reviewed the
	calculations.
Date Reviewed:	Enter the date the calculations were reviewed
	by the technologist.

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Bar code				-		
Date Collected:	1-31-05					
Date Received:						
			Segmo	ent volume (i	f thawed)	
Source: <u>UCI</u>	3					
Cell Count per ml x		5	665	x10 ⁵	$\frac{2.5 \times 10^5}{X} =$	3.8 µl needed
Source:						
Cell Count per ml x	x10 ⁵	· 	<u></u>	x10 ⁵	$\frac{2.5 \times 10^5}{X}$	ul needec
Calculation by Tec	-					
Results:						
Cells Plated per Well	GM	GEMM	BFUE	Read by	Date	Checked by
1.25x10 ⁴	10 12 11	1 0 1	19 17 18 18	0119	2-15-05	NA
Comments:				<u> </u>		

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TNCC:	14.29x10 ⁸							
GM								
1.25x10 ⁴	·	X		X 1.429 x10 ⁹		• =	12.6	x10 ⁵
GEMM			•					
$\frac{0.7}{1.25 \text{x} 10^4}$	<u>.</u>	X		X 1.429	x10 ⁹	=	0.8	x10 ⁵
BFU-E								
$\frac{18}{1.25 \times 10^4}$		X		X 1.429	x10 ⁹	=	20.6	x10 ⁻⁶
Reviewed by	: <u>Su</u> (Te	<i>per STC.</i> chnolog						

Date Reviewed:

Signature Manifest

Revision: 03

Document Number: STCL-SOP-052 FRM1

Title: Progenitor Cell Assay Form

All dates and times are in Eastern Time.

STCL-SOP-052 FRM1 Progenitor Cell

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Name/Signature	Title	Date	Meaning/Reason
Barbara Waters-Pick (WATE02)	-	11 Feb 2013, 02:24:58 PM	Approved

Medical Director Approval

Name/Signature	Title	Date	Meaning/Reason
Joanne Kurtzberg (KURTZ001)		11 Feb 2013, 06:27:05 PM	Approved

QA Approval

Name/Signature	Title	Date	H	leaning/Reason
Linda Sledge (SLEDG006)		11 Feb 2013, 08:50		pproved

Document Release

Name/Signature	Title	Date	Meaning/Reason
Sandy Mulligan (MULLI026)		13 Feb 2013, 04:17:37 PM	Approved

Notification

Name/Signature	Title	Date	Meaning/Reason
Sharon Hartis (SH259)		13 Feb 2013, 04:17:38 PM	Email Sent
Linda Sledge (SLEDG006)		13 Feb 2013, 04:17:38 PM	Email Sent
System Administrator (SYSADMIN)		13 Feb 2013, 04:17:38 PM	Email Sent
Barbara Waters-Pick (WATE02)		13 Feb 2013, 04:17:38 PM	Email Sent

Review: STCL-SOP-052 FRM1 03

Review

Name/Signature	Title	Date	Meaning/Reason
Barbara Waters-Pick (WATE02)		23 Dec 2014, 05:31:32 PM	Reviewed
Joanne Kurtzberg (KURTZ001)		11 Jan 2015, 04:58:28 PM	Reviewed
Sharon Hartis (SH259)		13 Jan 2015, 03:06:45 PM	Reviewed
Betsy Jordan (BJ42)		13 Jan 2015, 03:18:19 PM	Reviewed
John Carpenter (JPC27)		13 Jan 2015, 05:41:46 PM	Reviewed