

# CORD BLOOD TRANSPLANTATION STUDY

## GRAFT CHARACTERIZATION FORM

**Bar Code Label**

**A. ProCount (or equivalent)**

1. Date of acquisition..... 

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mm
dd
yyyy
2. Record total number of dye-positive events (nucleated cells) acquired..... 

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3. Record nucleated cell count (dye-positive cells/ $\mu$ l)..... 

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 x 10<sup>3</sup>
4. Record total number of CD45+ events acquired..... 

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5. Record CD45+ count (cells/ $\mu$ l)..... 

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 x 10<sup>3</sup>
6. Record % lymphocytes of CD45+ cells (CD3/CD16&56/CD19/CD45 or equivalent)..... 

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 %
7. CD34 Marker (*Dilution factor 1.0--modify as necessary.*)

# CD34+ events acquired	# Reference beads acquired	Total # beads added	% of CD45+ events	# CD34+ cells per $\mu$ l (a)	Total CD34+ cells (x 10 <sup>3</sup> )

8. CD34 subpopulations (*Note: Positive cells  $\geq$ 99.5% of isotype control. Negative cells are  $\leq$ 85% of isotype control.*)

Marker	# CD34+ events acquired	% of CD34+ events expressing second marker (b)	# per $\mu$ l calculated from (a) and (b)	Total CD34+ subsets (x 10 <sup>3</sup> )
CD34+/CD61+		___ ___ • ___		
CD34+/CD90+		___ ___ • ___		
		% of CD34+ events not expressing second marker		
CD34+/CD38-		___ ___ • ___		
CD34+/CD38+				

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**B. Lymphocyte Population**

9. a. Record total CD45+ events acquired (CD3/CD4/CD8/CD45 or equivalent) .....
- b. Record total lymphocyte events acquired (CD3/CD4/CD8/CD45 or equivalent) ...

10. TriTest or MultiTest or equivalent: (CD3/CD4/CD8/CD45)

# CD3+ events acquired	# Reference beads acquired	Total # beads added	% of CD45+ events	# CD3+ cells per $\mu$ l	Total CD3+ cells ( $\times 10^3$ )

11. CD4 and CD8 (Record % of cells per quadrant in the CD3+ gate [to one decimal place].)

FITC	PE	CD4+/CD8-	CD4-/CD8+	CD4+/CD8+	Total CD4+ cells ( $\times 10^3$ )	Total CD8+ cells ( $\times 10^3$ )	Total CD4-/CD8- cells ( $\times 10^3$ )
CD4	CD8	_____. ____	_____. ____	_____. ____			

12. CD45+ subpopulations: (CD3/CD16&56/CD45/CD19 or equivalent)  
Record % of cells per quadrant in the lymphocyte gate [to one decimal place].

FITC Stain	PE Stain	CD19+/CD16- CD56-	CD19-/CD16+CD56+	CD19+/CD16+CD56+
CD19	CD16 & CD56	_____. ____	_____. ____	_____. ____
Total CD19+ cells ( $\times 10^3$ )		Total CD16+56+ cells ( $\times 10^3$ )		

13. Record analyzer's laboratory certification number.....

**C. Colony Assay Results**

14. Total CFU-GM  $\times 10^5$  .....     ●
15. Total CFU-GEMM  $\times 10^5$  .....     ●
16. Total BFU-E  $\times 10^5$  .....     ●
17. Record colony assay analyzer's certification number.....

Comments: \_\_\_\_\_

\_\_\_\_\_  
Signature of Final Reviewer
\_\_\_\_\_  
Date
     
Study ID