

SUPPLEMENTARY TABLE

Supplementary Table 1. Mobilized Peripheral Blood (MPB) donor demographics.

Donor ID	Age	Sex	Height (in)	Weight (lb)	Ethnicity	TNC Count (10 ⁹)	CD34 ⁺ Count (10 ⁶)
Old							
A1	61	M	70	162	Caucasian	71.9	90.0
A2	60	M	70	190	Caucasian	43.6	185
A3	61	M	68	149	Caucasian	32.2	46.8
A4	61	M	67	172	Caucasian	47.0	93.9
A5	74	M	NR	NR	Caucasian	*	
A6	66	M	NR	NR	Caucasian	*	
A7	68	M	NR	NR	Caucasian	*	
A8	70	M	NR	NR	Caucasian	*	
Young							
Y1	28	M	67	140	African American	42.2	354
Y2	22	M	66	146	Hispanic	79.2	192
Y3	20	M	67	160	Caucasian	45.5	200
Y4	20	F	60	120	Hispanic	43.2	82.2
Y5	21	M	69	130	Hispanic	20.1	47.1
Y6	28	M	NR	138	Caucasian	*	
Y7	30	F	NR	128	Caucasian	*	
Y8	29	M	NR	130	Caucasian	*	

Abbreviation: NR: Not recorded. *Aliquots (~15–25 mL) of mobilized peripheral blood donated for research.

Demographics of Umbilical Cord Blood (UCB)

ID	UCB Volume (mL)	Time (h): Delivery to Process
UCB1	68	25
UCB2	56	8
UCB3	75	22
UCB4	71	24
UCB5	46	10
UCB6	67	21
UCB7	61	22
UCB8	108	25
UCB9	59	25
UCB10	73	20

Supplementary Video 1. Video showing entry of MV into cells.

Supplementary Video 2. Video showing MV entering cells.