		Donor #1 MSCs	Donor #2 MSCs	Donor #3 MSCs
		Positive (%)		
MSC markers				
	CD73	100	99.6	100
	CD90	100	99.9	100
	CD105	100	99.8	100
	CD166	100	99.2	99.9
Negative markers				
	CD14	2.6	2.3	1.6
	CD34	0.4	0.8	1.03
	CD45	0.5	1.1	0.2

Table S1. Flow Cytometric Characterization of Donor Cells. Cells were thawed and subjected to staining from standard MSC markers to characterize cell populations. All donors showed strong positive markers of MSCs and lacked the corresponding negative markers.

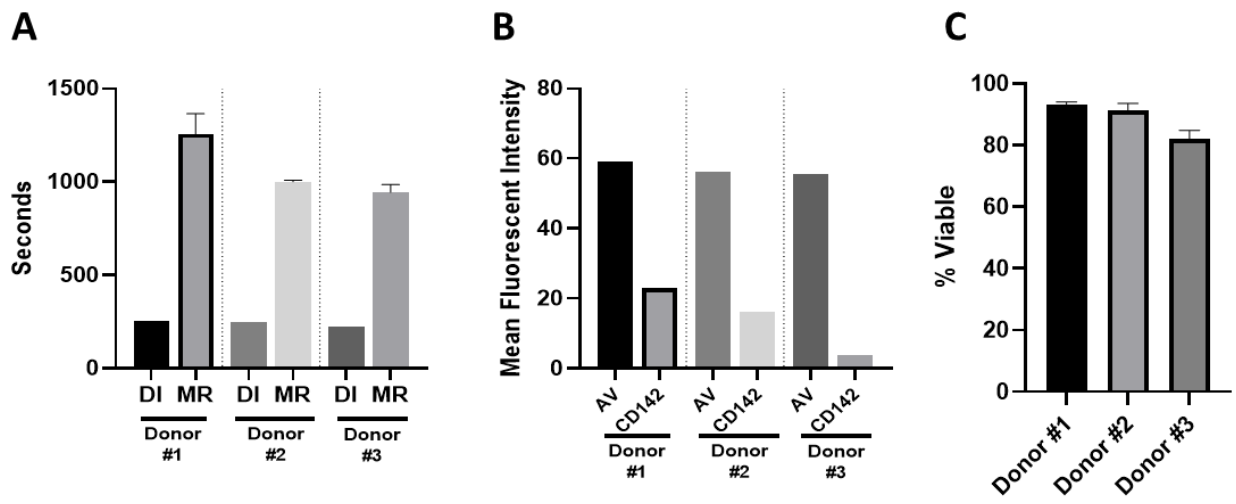

Figure S1. MSC donor testing. Microcreactors were seeded with 1 x 10^6 viable MSCs each from distinct donors and allowed to attach for 2 hours at 37 °C, followed by a 24 hour hold at room temperature prior to perfusion. After each groups' cells were prepared warmed FFPP was perfused through circuit for 5 minutes then subjected to spectrophotometric measurements, if not already clotted. (**A**) Measurements of fibrin clot formation in plasma were then made every 10 seconds over a 45-minute period. Direct injection (DI), microreactor (MR) **(B)** Prior to microreactor seed, cells were subjected to staining and flow cytometry for known pro-coagulation markers phosphatidylserine (Annexin V; AV) and tissue factor (CD142). **(C)** Cell viability post-thaw. Error bars represent ± standard deviation.