

Materials List for:

On-Chip Endothelial Inflammatory Phenotyping

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Materials

Name	Company	Catalog Number	Comments
100 x 20mm Petri Dishes	BD Falcon	353003	
Ethanol 95%	EMD Chemicals	EX0290-1	
DPBS	Cellgro	21-031-CV	
Type I Rat Tail Derived Collagen	Gibco	A10483-01	
Human Aortic Endothelial Cells	Genlantis	PH30405A	
Antibiotic-Antimycotic Solution	Invitrogen	15240-062	
Endothelial BulletKit	Lonza	CC-4176	
Endothelial Basal Media-2	Lonza	CC-3156	
10 ml Syringes	BD Falcon	309604	
Polyurethane tubing	Tygon	ABW0001	
Leibovitz-15 Media	Gibco	11415-069	
Sylgard 184 Silicone Elastomer Base	Dow Corning	184	
Sylgard 184 Silicone Elastomer Curing Agent	Dow Corning	184	
SU8 Photoresist Master Wafer	UC Davis Pan Lab	N/A	
Eclipse TE200 Inverted Microscope	Nikon	Eclipse TE200	
Syringe Pump	Harvard Apparatus	PHD2000	
19 gauge hypodermic needle	Kendall	8881	
THP-1 Monocytic Cell Line	ATCC	TIB-202	
HBSS (Hanks Buffered Saline Solution) with Ca ²⁺ /Mg ²⁺	Gibco	14025-092	
Tumor Necrosis Factor Alpha (TNF-α)	R&D Systems	210-TA-010	
Stromal Derived Factor - 1 (SDF-1)	R&D Systems	350-NS-010	
RPMI 1640	Cellgro	10-040-CV	
Human Serum Albumin (HSA)	ZLB Behring	NDC 0053-7680-32	

Table 2. Specific reagents and equipment.