

Materials List for:

# Isolation and Characterization of Neutrophil-derived Microparticles for Functional Studies

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## Materials

Name	Company	Catalog Number	Comments
DMEM	Corning	10-041-CV	
Fetal Bovine Serum (Heat inactivated)	Atlanta Biologics	S11150	
Penicillin/Streptomycin (10,000 units penicillin / 10,000 mg/ml strep)	GIBCO	15140	
0.5 M EDTA	Fisher	BP2482	
Sodium chloride	Sigma	S9888	Sterile and filtered through a 0.1 micron filter unit
Sterile filtered Histopaque 1077	Sigma	10771	
Sterile filtered Histopaque 1119	Sigma	11191	Density 1.119 g/ml. Solution of polysucrose and sodium diatrizoate. Bring to room temperature
Phosphate Buffered Saline (PBS) without Calcium and Magnesium	Cellgro	210-40-CV	
Ethyl Alcohol (200 proof)	Decon labs	2701	
HBBS	Corning	21-022-CV	
Trypan Blue Solution, 0.4%	Sigma	T8154 SIGMA	Diluted 1:2 for cell viability counting
Isoflurane	Abbot	50033	
Anti-human CD11b-APC conjugated	Biologend	301350	Clone ICRD44 (Final concentration: 1 µg/mL)
BODIPY FL	Invitrogen	B10250	N-(2-aminoethyl) maleimide
Annexin V Binding Buffer	Biologend	422201	
Calibration Beads for Flow Cytometry	BioCytex	7803	
FITC Annexin V	Biologend	640906	
Polymorphprep	Axis-Shield PoC AS		Sodium diatrizoate/Dextran 500, density 1.113 g/ml
C57BL/6 mice	Jackson Labs		
15 ml centrifuge tubes	Corning	430053	
50 ml centrifuge tubes	BD Falcon	352070	
25 ml serological pipettes	Celltreat	229225B	
10 ml serological pipettes	Celltreat	229210B	
5 ml serological pipettes	Celltreat	229205B	
Pasteur pipettes	BD Falcon	357575	
25 G x 5/8 in. Needles (precision glide needles)	BD	305122	

100 µm cell strainers	Celltreat	229485	
Vacutainer tubes	BD	367251	
<b>Equipment</b>			
LSR Fortessa Special Order Research Product (SORP)	BD	(SORP)	
Swinging bucket centrifuge	ThermoFisher Scientific	75007210	
Ultracentrifuge	Beckman	(L8-80 M)	
Micro-centrifuge	ThermoFisher Scientific	VV-17703-15 (Fresco 17)	
Swinging bucket centrifuge	ThermoFisher Scientific	75004503 (Megafuge 40R)	
Biopsy forceps, 28 cm	Storz	27071zj	
<b>Software</b>			
Image J	National Institute of Health	Open source	