

Materials List for:

# Isolation, Purification and Labeling of Mouse Bone Marrow Neutrophils for Functional Studies and Adoptive Transfer Experiments

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## Materials

Name	Company	Catalog Number	Comments
			<b>Reagents</b>
RPMI 1640 1X with L-glutamine and 25 mM HEPES	Cellgro	10-041-CV	
Fetal Bovine Serum (Heat inactivated)	GemCell	100500	
Penicillin/Streptomycin (10,000 units penicillin / 10,000 mg/ml strep)	GIBCO	15140	
0.5 M EDTA	Quality Biological Inc	351-027-101	
0.2% and 1.6% sodium chloride	JT Baker	3624	Sodium chloride solutions prepared using distilled water and sterile filtered
Sterile filtered Histopaque 1077	Sigma	10771	Histopaque 1077 needs to be brought to 18-26 °C before use
Sterile filtered Histopaque 1119	Sigma	11191	Histopaque 1119 needs to be brought to 18-26 °C before use
Phosphate Buffered Saline (PBS) without Calcium and Magnesium	Cellgro	210-40-CV	
Ethyl Alcohol (200 proof)	The Warner Graham Company	64-17-5	
CellTracker Green (CMFDA, 5-Chloromethylfluorescein Diacetate)	Invitrogen	C-7025	Make stock solutions of 10 mM in DMSO, aliquot and store at -80 °C
CellTracker Orange (CMTMR, 5-(and 6)-4-Chloromethyl Benzoyl Amino Tetramethylrhodamine)	Invitrogen	C-2927	Make stock solutions of 10 mM in DMSO, aliquot and store at -80 °C
Anti-mouse CD45 (Clone 30-F11)	eBioscience	170451-82	
Anti-mouse Ly6G (Clone 1A8)	BD Pharmingen	551461	
Anti-mouse Ly6G (Clone 1A8)	BD Pharmingen	560599	
Anti-mouse CD11b (Clone M1/70)	eBioscience	47-0112-82	
Anti-mouse CD16/CD32 (Mouse BD Fc Block)	BD Pharmingen	553141	Use at 1:100 dilution
LIVE/DEAD Fixable Blue Dead Cell Stain Kit	Molecular Probes	L-23105	Use at 1:1000 dilution
Dimethyl Sulfoxide (DMSO)	Sigma	67-68-5	
Paraformaldehyde Solution, 4% in PBS	USB Corporation	19943	
			<b>Table 1. Reagents for isolation, labeling and tracking of adoptively transferred neutrophils.</b>
			<b>Materials</b>

C57BL/6 mice	Taconic		
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 (3 ml)	BD Falcon	357575	
12 ml syringes	Kendall monoject	512878	
25 G x 5/8 in. Needles (precision glide needles)	BD	305122	
100 mm cell strainers	BD Falcon	352360	
Bactericidal Petri dishes	BD Falcon	351029	
Combitips Plus Biopur	Eppendorf	2249608-5	
Mouse dissecting instruments (Scissors, forceps, scalpel)	Biomedical Research Instruments	10-2300, 10-2165, 25-1200, 26-1000	Instruments sterilized prior to use
			<b>Equipment</b>
Tissue culture hood	The Baker Company	SG403	
Refrigerated centrifuge	Thermo Fischer Scientific	75004521	
37 °C shaking water bath	Thermo Fischer Scientific	3166721	
			<b>Table 2. List of Materials and Equipment used in this protocol.</b>