

Materials List for:

Quantifying Human Monocyte Chemotaxis *In Vitro* and Murine Lymphocyte Trafficking *In Vivo*

Eliza Prangley¹, Terrence Kumar¹, Manish P. Ponda¹

¹Laboratory of Biochemical Genetics and Metabolism, The Rockefeller University

Correspondence to: Manish P. Ponda at mponda@rockefeller.edu

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Materials

Name	Company	Catalog Number	Comments
RPMI-1640	Thermo Fisher Scientific	11875-093	
HEPES	Thermo Fisher Scientific	15630-080	
Fetal Bovine Serum	ATCC	30-2020	
Cell culture flask	Corning	353136	
Calcein AM	Thermo Fisher Scientific	C1430	Excitation: 485nm, Emission: 520nm
Cell culture dish	Corning	1007	
24 well plate	Corning	353504	
Fluoroblok Fibronectin Insert	Corning	CB354597	
15 mL conical tube	Corning	352097	
Bovine Serum Albumin	Cell Signaling Technology	9998S	
Human Recombinant MCP-1	Peprtech	300-04	
Adult bovine Serum	Sigma	B9433	
HBSS with calcium and magnesium; no phenol red	Thermo Fisher Scientific	14025-092	
SpectraMax M2e plate reader	Molecular Devices		
Olympus IX71 inverted fluorescence microscope	Olympus		
Isothesia	Henry Schein animal health	11695-6776-2	Isoflurane anesthesia
Cell strainer 40um nylon	Falcon Corning	352340	
ACK lysing buffer	Quality Biological	118-156-101	
CellTracker Orange CMTMR Dye	Thermo Fisher Scientific	C2927	Excitation: 541nm, Emission: 565nm
CellTracker Green CMFDA Dye	Thermo Fisher Scientific	C2925	Excitation: 485nm, Emission: 520nm
5ml syringe	BD Syringe	309646	
1ml TB syringe	BD Syringe	309625	
THP-1 cell line	ATCC	TIB-202	
Brilliant Violet 421 anti-mouse CD3 Antibody	Biolegend	100228	Excitation: 405nm, Emission: 421nm
Brilliant Violet 605 anti-mouse CD19 Antibody	Biolegend	115540	Excitation: 405nm, Emission: 603nm
96-well round bottom plate	Corning	353077	
LSRII	BD Biosciences		Flow cytometer