

Materials List for:

Isolation of Human Monocytes by Double Gradient Centrifugation and Their Differentiation to Macrophages in Teflon-coated Cell Culture Bags

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Materials

Name	Company	Catalog Number	Comments
Antibodies for immunophenotyping	Beckman Coulter		for example: CD11c-PE (IM1760), CD45-FITC (7782), IgG1-PE isotype control (A07796), IgG1-FITC isotype control (A07795)
	BioLegends		for example: CD14-FITC (325603), CD206-PE (321105)
Axiovert 200M microscope	Zeiss		
Calcein AM	AnaSpec	89201	
Combi-stopper closing cones	Braun	4495101	
1x PBS, w/o Ca and Mg	Pan biotech	P04-36500	for PBS-EDTA (1 mM) add 1 ml 0.5 M EDTA per 500 ml PBS
10x PBS, w/o Ca and Mg	Invitrogen	14200-067	
EDTA (Titriplex III)	Merck	1084211000	prepare a 0.5 M solution in H ₂ O, use a sterile filter
Cell dissociation buffer (enzyme-free, PBS-based)	Gibco	13151-014	
Fetal calf serum (FCS)	Invitrogen	10091148	heat-inactivated
Ficoll (density 1.077 g/ml)	Biochrom AG	L6115	
FACSCanto II	BD Biosciences		
Goat anti-mouse FITC	santa cruz	sc-2010	
LPS from <i>E. coli</i>	Sigma	L8274	final conc: 100 ng/ml
Multifuge 3 L-R	Heraeus		
Penicillin/streptomycin	Biochrom AG	A2213	
Percoll (density 1.131 g/ml)	GE Healthcare	17-0891-02	
Perfusor syringe 50 ml	Braun	8728844F	
Phalloidin-TRITC	Sigma	P1951	resuspend in methanol (c = 0.1 mg/ml)
Name	Company	Catalog Number	Comments
Plastic disposable Pasteur pipettes	LVL technologies	2655181	
rh M-CSF	ImmunoTools	11343117	Resuspend in 500 µl sterile H ₂ O (c = 100 ng/µl), aliquot
RPMI-1640 with phenol red	Gibco	21875-034	
RPMI-1640 without phenol red	Gibco	11835-063	
Sterilization paper	VP group	3KFKFS230116	
Trypan blue stain (0.4% w/v)	Sigma	T8154	

FEP Teflon-coated cell culture bag, small	CellGenix	72-C	
FEP Teflon-coated cell culture bag, large	CellGenix	197-C	