

Materials List for:

Measuring Granulocyte and Monocyte Phagocytosis and Oxidative Burst Activity in Human Blood

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Materials

Name	Company	Catalog Number	Comments
12 x 75 mm tubes, with cap	VWR	20170-579	You will need 2 tubes per sample ("H" and "F") plus 3 tubes per batch (for assay controls; "F", "H", and "Blood only").
PBS (10x), pH 7.4	Life Technologies	70011-044	
Bottle top 0.2 µm cellulose acetate filter (500 ml capacity)	Fisher Scientific	09-741-07	
Glucose, powder	Life Technologies	15023-021	
Citric acid (anhydrous, cell culture tested, plant cell culture tested)	Sigma-Aldrich	C2404-100G	
Sodium citrate tribasic dihydrate	Sigma-Aldrich	S4641-25G	
Dihydroethidium (Hydroethidine) (HE)	Life Technologies	D11347	
Dimethyl sulfoxide (DMSO) Anhydrous	Life Technologies	D12345	
Staphylococcus aureus (Wood strain without protein A) BioParticles, fluorescein conjugate (FITC)	Life Technologies	S2851	
Staphylococcus aureus (Wood strain without protein A) BioParticles, unlabeled	Life Technologies	S-2859	
Trypan Blue Solution, 0.4%	Life Technologies	15250-061	
4.0 ml vacutainer containing 7.2 mg K ₂ EDTA, spray-dried	VWR	BD367861	You will need 1 K ₂ EDTA blood collection tube per sample.
4.0 ml vacutainer containing 68 USP units Lithium Heparin, spray-coated	VWR	BD367884	You will need 1 Lithium Heparin blood collection tube per sample.
COULTER Ac-T 5diff CP	Beckman Coulter	6605705	<i>i.e.</i> , hematology analyzer
COULTER Ac-T 5diff Rinse	Beckman Coulter	8547167	
COULTER Ac-T 5diff Fix	Beckman Coulter	8547171	
COULTER Ac-T 5diff WBC Lyse	Beckman Coulter	8547170	
COULTER Ac-T 5diff Hgb Lyse	Beckman Coulter	8547168	
COULTER Ac-T 5diff Cal Calibrator	Beckman Coulter	7547175	
COULTER Ac-T 5diff Control Plus	Beckman Coulter	7547198	
AcT 5diff Diluent	Beckman Coulter	8547169	
200 µl extended-length pipette tips	VWR	37001-526	

Insulated ice pan	VWR	89198-980	For ice water bath.
Open metal tube rack	VWR	60916-702	
Fetal Bovine Serum	Life Technologies	26140-111	
TQ-Prep Workstation	Beckman Coulter	6605429	<i>i.e.</i> , automated cell lyse preparation workstation
ImmunoPrep Reagent System	Beckman Coulter	7546999	<i>i.e.</i> , RBC lyse/WBC fix reagent system
Cytomics FC500 MCL Flow Cytometry System with CXP Software	Beckman Coulter	626553	
IsoFlow Sheath Fluid	Beckman Coulter	8547008	
COULTER CLENZ	Beckman Coulter	8546929	
Flow-Check Fluorospheres	Beckman Coulter	6605359	<i>i.e.</i> , alignment and fluidics verification fluorospheres
FlowJo Software	FlowJo	FlowJo	<i>i.e.</i> , flow cytometry analysis software
Excel Software	Microsoft	Microsoft Excel	<i>i.e.</i> , electronic spreadsheet program