

Materials List for:

Purification of Platelets from Mouse Blood

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Materials

Name	Company	Catalog Number	Comments
APC rat anti-mouse/human CD62P (P-selectin)	Thermoscientific	17-0626-82	Platelets activation marker
Eppendorf tube	Fisher Scientific	14-222-166	Tube for centrifuge
FACS DIVA software	BD Biosciences	Non-catalog item	Analysis of platelets and whole blood
FACS tube	Fisher Scientific	352008	Tubes for flow cytometry
Fetal bovine serum (FBS)	Invitrogen	26140079	Ingredient for staining buffer
FITC rat anti-mouse CD41	BD Biosciences	553848	Platelets marker
Flow cytometer	BD Biosciences	Non-catalog item	Analysis of platelets and whole blood
FlowJo software	FlowJo, Inc.	Non-catalog item	Analysis of platelets and whole blood
Gly-Pro-Arg-Pro (GPRP)	EMD Millipore	03-34-0001	Prevent platelet clot formation
Hematocrit Capillary tube	Fisher Scientific	22-362566	Blood collection capillary tube
Hemavet	Drew Scientific	Non-catalog item	Blood cell analyzer
Hemocytometer	Hausser Scientific	3100	Cell counting chamber
Isoflurane	Baxter	1001936040	Use to Anesthetize mouse
Microscope (Olympus CKX41)	Olympus	Non-catalog item	Cell monitoring and counting
Nycodenz (Histodenz)	Sigma-Aldrich	D2158	Gradient medium
PE rat anti-mouse CD45	BD Biosciences	561087	WBC marker
PE-Cy7 rat anti-mouse TER 119	BD Biosciences	557853	RBC marker
Pipet tips 200 µL, wide-bore	ThermoFisher Scientific	21-236-1A	Transferring blood and platelet samples
Pipet tips 1000 µL, wide-bore	ThermoFisher Scientific	21-236-2C	Transferring blood and platelet samples
Phosphate buffered saline (PBS)	ThermoFisher Scientific	14040-117	Buffer for washing and dilution
Sodium chloride	Sigma-Aldrich	S7653	Physiological saline
Sodium citrate	Fisher Scientific	02-688-26	Anti-coagulant
Staining buffer	In-house	Non-catalog item	Wash and dilution buffer
Steile water	In-house	Non-catalog item	Solvent
Table top centrifuge	ThermoFisher Scientific	75253839/433607	Swinging bucket rotor centrifuge
Thrombin	Enzyme Research Laboratoty	HT 1002a	Platelet activation agonist
Tricine	Sigma-Aldrich	T0377	Buffer for Nycodenz medium