

Materials List for:

# Analysis of Hematopoietic Stem Progenitor Cell Metabolism

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## Materials

Name	Company	Catalog Number	Comments
0.01% (w/v) poly-L-lysine solution	Sigma	P8920	Used for LSK attachment
40 µm cell strainer	Fisher Scientific	22-363-547	Used for cell filtration after bone crushing
Anti-Biotin MicroBeads	Miltenyi	130-090-485	Used for Lin- separation
Biotin Rat Anti-Mouse CD45R/ B220 Clone RA3-6B2	BD Biosciences	553086	Used for Lin- separation
Biotin Rat Anti-Mouse CD5 Clone 53-7.3	BD Biosciences	553019	Used for Lin- separation
Biotin Rat Anti-Mouse CD8a Clone 53-6.7	BD Biosciences	553029	Used for Lin- separation
Biotin Rat Anti-Mouse Ly-6G and Ly-6C Clone RB6-8C5	BD Biosciences	553125	Used for Lin- separation
Biotin Rat Anti-Mouse TER-119/ Erythroid Cells Clone TER-119	BD Biosciences	553672	Used for Lin- separation
CD117 (c-Kit) Monoclonal Antibody (2B8), APC	eBioscience	17-1171-83	Used for LSK sorting
Falcon 15 ml Conical Centrifuge Tubes	Falcon-Fischer Scientific	14-959-53A	Used in cell isolation
Falcon 50 ml Conical Centrifuge Tubes	Falcon-Fischer Scientific	14-432-22	Used in cell isolation
Falcon Round-Bottom Polypropylene Tubes	Falcon-Fischer Scientific	14-959-11A	Used for LSK sorting
Fetal Bovine Serum	Neuromics	FBS001-HI	Used in FACS buffer
Histopaque-1083	Sigma	10831	Used for ficoll gradient separation
L-glutamine 100x	Fisher Scientific	25-030-081	Used for the assay media
LS Column	Miltenyi	130-042-401	Used for Lin- separation
Ly-6A/E (Sca-1) Monoclonal Antibody (D7), PE-Cyanine7	eBioscience	25-5981-82	Used for LSK sorting
Murine Stem Cell Factor (SCF)	PeproTech	250-03-100UG	Used for the assay media
Murine Thrombopoietin (TPO)	PeproTech	315-14-100UG	Used for the assay media
PBS 1%	Fisher Scientific	SH3002802	Used for FACS buffer
Penicillin-Streptomycin (10,000 U/ mL)	Fisher Scientific	15140122	Used for the assay media
Propidium Iodide	Fisher Scientific	P1304MP	Used for LSK sorting
Seahorse XFp Cell Culture Miniplate	Agilent Technologies	103025-100	Used for LSK seeding
Sodium Pyruvate (100 mM)	ThermoFisher	11360070	Used for the assay media
Streptavidin eFluor 450 Conjugate	eBioscience	48-4317-82	Used for LSK sorting

XF Calibrant	Agilent Technologies	100840-000	Used for cartridge equilibration
XF media	Agilent Technologies	103575-100	Used for the assay media
XFp Glycolysis Stress Test Kit	Agilent Technologies	103017100	Drugs for glycolysis stress test
XFp Mitochondrial Stress Test Kit	Agilent Technologies	103010100	Drugs for mitochondrial stress test
XFp Sensor Cartridge	Agilent Technologies	103022-100	Used for glycolysis and mitochondrial stress test