

Materials List for:

Colony Forming Cell (CFC) Assay for Human Hematopoietic Cells

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Materials

Name	Company	Catalog Number	Comments
IMDM	Life Technologies	12440	
FBS	Stem Cell Technologies	06150	
L-Glutamine	Life Technologies	25030	
Penicillin/Streptomycin (PS)	Life Technologies	15140	
FLT-3 ligand	PeproTech Inc	300-19	
GM-CSF	PeproTech Inc	300-03	
SCF	PeproTech Inc	300-07	
TPO	PeproTech Inc	300-18	
IL3	PeproTech Inc	200-03	
IL6	PeproTech Inc	200-06	
Bovine Serum Albumin	Sigma-Aldrich	A7030	
EDTA	Fisher Scientific	BP118	
Retronectin	Takara Bio Inc	T100A	
HBSS	Life Technologies	14175	
PBS	Life Technologies	14200	
Trypan Blue solution (0.4%)	Sigma-Aldrich	T8154	
Methocult GF+ H4435	Stem Cell Technologies	04445	
Human Methylcellulose Enriched Media	R&D Systems	HSC005	
Wright/ Giemsa stain	Harleco	64571	
Phosphate Buffer Solution, pH 6.4 - Giordano formula	Ricca Chemical Company	1450	
Methanol	Fisher Scientific	A412-4	
Cytoseal 60	Thermo Fisher Scientific, Inc.	8310	
Normal Mouse Serum	Rockland Immunochemicals	D208	
Anti-Human CD11b phycoerythrin-conjugated	BD Biosciences	555388	
Anti-Human CD33 allophycocyanin-conjugated	BD Biosciences	551378	
Anti-Human CD45 phycoerythrin-Cy7-conjugated	BD Biosciences	557748	
Anti-Human CD71 phycoerythrin-conjugated	BD Biosciences	555537	
Anti-Human CD235a allophycocyanin-conjugated	BD Biosciences	551336	
Anti-Human CD45 phycoerythrin-Cy7-conjugated	BD Biosciences	557748	

24-well non-treated tissue culture plates	BD Biosciences	35-1147	
30 mm non-treated dish	Stem Cell Technologies	27150	
100 mm tissue culture dish	Fisher Scientific	08-757-12	
Gridded scoring dishes	Stem Cell Technologies	27500	
15 ml centrifuge tubes	BD Biosciences	35-2097	
50 ml centrifuge tubes	BD Biosciences	35-2070	
Syringes 3 ml	Stem Cell Technologies	28240	
16 gauge blunt-end, 1½ inch needle	Stem Cell Technologies	28110	
50 µm CellTrics cell filter	Partec	04-004-2327	
Hemocytometer	Fisher Scientific	0267110	
TPX sample chambers	Thermo Fisher Scientific, Inc.	A78710018	
Fisherbrand Superfrost/Plus Microscope Slides, Precleaned	Fisher Scientific	12-550-15	
Shandon filter cards	Thermo Fisher Scientific, Inc.	5991022	
Shandon cytospin slide holder	Thermo Fisher Scientific, Inc.	59920063	
Shandon Complete Staining Assembly 100	Thermo Fisher Scientific, Inc.	100	
Kimwipes	Kimberly-Clark Corporation	34155	
1 µm filter paper	VWR international	28307-134	
Inverted microscope	Nikon Instruments	Diaphot	
Microscope camera	Nikon Instruments	DS-F11	
Microscope	Olympus Corporation	BX51	
Microscope camera	Olympus Corporation	DP71	
Scanner	Microtek	Scanmaker 4	
Vortex mixer	Fisher Scientific	12-812	
Tissue culture incubator	Sanyo	MCO-18AIC	
Cytospin	Shandon, Inc.	Cytospin 2	
Bench-top centrifuge	Eppendorf	5810-R	
Water purification system	Barnstead	Nanopure-Diamond	