

Materials List for:

Detection of Residual Donor Erythroid Progenitor Cells after Hematopoietic Stem Cell Transplantation for Patients with Hemoglobinopathies

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Materials

Name	Company	Catalog Number	Comments
Ficoll-Paque	GE Healthcare	GE17-1440-02	Remove RBC
50 mL conical tubes	Falcon	14-432-22	Sample preparation
12 x 75 mm flow tubes	Falcon	352002	FACS sorting
Phosphate buffered saline	Gibco	10010023	PBS
Fetal calf serum	Invitrogen Inc.	16000-044	FCS (heat-inactivated)
CD34 APC	BD Bioscience	561209	FACS-Ab
CD36 FITC	BD Bioscience	555454	FACS-Ab
CD45 V450	BD Bioscience	642275	FACS-Ab
Trypan blue	Gibco	15250061	
Hemocytometer	Invitrogen Inc.	C10227	Automatic cell counting
Hank's Balanced Salt Solution	Gibco	14025092	Suspension buffer in FACS analysis
HEPES	Gibco	15630080	Component of suspension buffer
FcR	BD Bioscience	564220	Block FcR
FACS Aria I	BD Bioscience	23-11539-00	FACS Sorter
Recombinant human erythropoietin	Affimetrix eBioscience	14-8992-80	EPO
Isocove's Modified Dulbecco's Medium	Gibco	12440053	IMDM
L-Glutamine	Invitrogen	25030-081	Component of Culture Medium
CD34+ magnetic beads	Milteny Biotech	130-046-702	CD34+ purification
Recombinant human G-CSF	Gibco	PHC2031	CFU-Assay
Recombinant human SCF	Gibco	CTP2113	CFU-Assay
Recombinant human GM-CSF	Gibco	PHC2015	CFU-Assay
Recombinant human IL-3	BD Bioscience	554604	CFU-Assay
Recombinant human IL-6	BD Bioscience	550071	CFU-Assay
Methocult H4434 Medium	Stemcell Technologies	4444	CFU-Assay
QiAmp DNA Blood extraction kit	Qiagen	51306	DNA Isolation
Nanodrop ND-1000 spectra photometer	Thermo Scientific	ND 1000	DNA Quantification
DNAase free H ₂ O	Thermo Scientific	FEREN0521	DNA Preparation
AmpI Taq Gold DNA Polymerase	Applied Bioscience	N8080240	PCR
Eppendorf mastercycler gradient	Eppendorf	6321000019	PCR

Hi-Di Formamid	Applied Bioscience	4311320	PCR
GeneScan 500 ROX Size Standard	Applied Bioscience	4310361	PCR
3130 Genetic Analyzer	Applied Bioscience	313001R	PCR