

Materials List for

Leukodepletion Filters-Derived CD34+ Cells As a Cell Source to Study Megakaryocyte Differentiation and Platelet Formation

Anaïs Pongerard¹, Lea Mallo¹, Christian Gachet¹, Henri de La Salle¹, François Lanza¹, Catherine Strassel¹

¹BPPS UMR-S 1255, FMTS, Université de Strasbourg, INSERM, EFS Grand Est

Corresponding Author

Catherine Strassel
catherine.strassel@efs.sante.fr

Citation

Pongerard, A., Mallo, L., Gachet, C., de La Salle, H., Lanza, F., Strassel, C. Leukodepletion Filters-Derived CD34+ Cells As a Cell Source to Study Megakaryocyte Differentiation and Platelet Formation. *J. Vis. Exp.* (171), e62499, doi:10.3791/62499 (2021).

Date Published

May 20, 2021

DOI

10.3791/62499

URL

jove.com/video/62499

Materials

Name	Company	Catalog Number	Comments
7-AAD	Biologend	558819	
ACD	EFS-Alsace	NA	
Anti-CD34-PE	Miltenyi biotec	130-081-002	
Anti-CD34-PECy7	eBioscience	25-0349-42	
Anti-CD41-Alexa Fluor 488	Biologend	303724	
Anti-CD42a-PE	BD Bioscience	559919	
Apyrase	EFS-Alsace	NA	
BD Trucount Tubes	BD Bioscience	340334	
CD34 MicroBead Kit UltraPure, human	Miltenyi biotec	130-100-453	
Centrifuge	Heraeus	Megafuge 1.OR	Or equivalent material
Compteur ADAM	DiagitalBio	NA	Or equivalent material
Cryotubes	Dutscher	55002	Or equivalent material
Dextran from leuconostoc spp	Sigma	31392-50g	Or equivalent material
DMSO Hybri-max	Sigma	D2650	
EDTA 0.5 M	Gibco	15575-039	
Eppendorf 1,5 mL	Dutscher	616201	Or equivalent material
Filtration unit Steriflip PVDF	Merck Millipore Ltd	SE1M179M6	
Flow Cytometer	BD Bioscience	Fortessa	
Human LDL	Stemcell technologies	#02698	
ILOMEDINE 0,1 mg/1 mL	Bayer	MA038EX	
Inserts	Fenwal	R4R1401	Or equivalent material
Laminar flow hood	Holten	NA	Archived product
LS Columms	Miltenyi Biotec	130-042-401	
Lymphoprep	Stemcell	7861	
Pen Strep Glutamine (100x)	Gibco	10378-016	

PBS (-)	Life Technologies	14190-169	Or equivalent material
PGi2	Sigma	P6188	
Poches de transferts 600ml	Macopharma	VSE4001XA	
Pre-Separation Filters (30µm)	Miltenyi Biotec	130-041-407	
StemRegenin 1 (SR1)	Stemcell technologies	#72344	
StemSpan Expansion Supplement (100x)	Stemcell technologies	#02696	
StemSpan-SFEM	Stemcell technologies	#09650	
Stericup Durapore 0,22µm PVDF	Merck Millipore Ltd	SCGVU05RE	
SVF Hyclone	Thermos scientific	SH3007103	
Syringues 30 mL	Terumo	SS*30ESE1	Or equivalent material
Syringe filters Millex 0,22µM PVDF	Merck Millipore Ltd	SLGV033RB	
TPO	Stemcell technologies	#02822	
Tubes 50 mL	Sarstedt	62.548.004 PP	Or equivalent material
Tubes 15 mL	Sarstedt	62.554.001 PP	Or equivalent material
Tubulures	B Braun	4055137	Or equivalent material