

Materials List for

Stromal Cell Isolation from Hematopoietic Organs

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jove.com/video/66231

Materials

Name	Company	Catalog Number	Comments
0.25% Trypsin-EDTA	Thermo Fisher Scientific	25200-072	
7AAD (7-aminoactinomycin D)	BD Biosciences	559925	
Anti-Human Lineage Cocktail 3-FITC	BD Biosciences	643510	
Bovine Serum Albumin	Millipore Sigma	A9647	
C57Bl/6 mice	Jackson	664	Males or females, 8-12 weeks old
Calcein	Fisher Scientific	65-0853-78	
Collagenase IV	Millipore Sigma	C5138	
Corning Sterile Cell Strainers, White, Mesh Size: 70 µm	Fisher Scientific	08-771-2	
Dispase II	Thermo Fisher Scientific	17105041	
Dnase I Solution	Thermo Fisher Scientific	90083	2500 U/mL
Easysep mouse streptavidin RapidSpheres Isolation kit	StemCell Technologies	19860	
Fetal Bovine Serum	Gibco	A31605-01	Qualified One Shot
Human Fc Block	BD Biosciences	564220	
Liberase TM	Millipore Sigma	5401127001	Research Grade
Medium 199	Gibco	12350	
Mouse anti-human CD235a-BV77	BD Biosciences	740785	
Mouse anti-human CD31-PE / Dazzle594	Biolegend	303130	
Mouse anti-human CD45-BV77	Biolegend	304050	
Mouse anti-human CD4-BV605	BD Biosciences	562658	
Mouse anti-human CD66b-FITC	BD Biosciences	555724	
Mouse anti-human CD8-APC/Cy7	BD Biosciences	557760	
Mouse anti-human EpCam-BV421	Biolegend	324220	
Protector RNase Inhibitor	Millipore Sigma	3335402001	
Rat anti-mouse CD105-PE / dazzle594	Biolegend	120424	
Rat anti-mouse CD11b-Biotin	Biolegend	101204	

Rat anti-mouse CD140a-APC	Fisher Scientific	17-1401-81	
Rat Anti-Mouse CD16/CD32 (Mouse BD Fc Block)	BD Biosciences	553142	
Rat anti-mouse CD31-BUV737	BD Biosciences	612802	
Rat anti-mouse CD31-BV421	Biologend	102424	
Rat anti-mouse CD3-Biotin	Biologend	100244	
Rat anti-mouse CD45.2-Biotin	Biologend	109804	
Rat anti-mouse CD45-PE/Cy7	Biologend	103114	
Rat anti-mouse CD45-PE/Cy7	Biologend	103114	
Rat anti-mouse CD45-PE/Cy7	Biologend	103114	
Rat anti-mouse CD45R/B220-Biotin	Biologend	103204	
Rat anti-mouse CD51-PE	Biologend	104106	
Rat anti-mouse EpCam-BV711	BD Biosciences	563134	
Rat anti-mouse Ly-6A/E(Sca-1)-AF700	Biologend	108142	
Rat anti-mouse Ly-6G/Ly-6C(Gr1)-Biotin	Biologend	108404	
Rat anti-mouse Ter119-Biotin	Biologend	116204	
Rat anti-mouse Ter119-PE	Biologend	116208	
Rat anti-mouse Ter119-PE/Cy7	Biologend	116222	
Stemxyme	Worthington Biochemical	LS004107	