

Materials List for:

Isolation of Murine Embryonic Hemogenic Endothelial Cells

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URL: <https://www.jove.com/video/54150>

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Materials

Name	Company	Catalog Number	Comments
DAPT (N-[N-(3,5-Difluorophenacetyl)-L-alanyl]-S-phenylglycine t-butyl ester)	Sigma	D5942	TOXIC irritant: Wear eye protection, mask, and gloves when handling.
Absorbent bench underpad	Covidien	7134	
#5 Straight Forceps	Fine Science Tools	11251-20	
8.5 cm straight scissors	Fine Science Tools	14090-09	
Isoflurane (Isothesia)	Henry Schein	50033	TOXIC inhalant: Use in fume hood.
100x Penicillin Streptomycin Glutamine (10,000 U/ml Penicillin, 10,000 mg/ml Streptomycin, 29.2 mg/ml L-glutamine)	Invitrogen	10378016	
Type II Collagenase	Worthington	LS004174	
Falcon 70 µM nylon cell strainer	Corning	CLS431751	
Anti-Mouse CD45-FITC	eBioscience	11-0451-81	
Anti-Mouse CD31 - PE	eBioscience	12-0311-81	
Anti-Mouse Flk-1 PE-Cy7	BD Pharmingen	561259	
Hoechst 33342 (bisBenzimide H 33342 trihydrochloride)	Sigma	14533	TOXIC: irritant. Wear eye protection and gloves when handling. Prepare stock solution of 25 mg/ml in distilled H ₂ O, store aliquots at -20 °C until ready for use.
Verapamil Hydrochloride	Sigma	1711202	TOXIC: irritant. Wear eye protection, mask, and gloves when handling. Prepare stock solution of 5 mM (100x) in 95% ethanol. Store at -20 °C until ready for use
Falcon 5 ml Round Bottom Polystyrene Test Tube, with Cell Strainer Snap Cap	Corning	352235	
MethoCult GF M3434	Stem Cell Technologies	3434	Thaw and aliquot per manufacturer's instructions
Modified Giemsa Stain	Sigma	GS500	TOXIC: Contains Methanol - use in fume hood and wear gloves with handling. Dilute in distilled water to 0.02% solution.
Cytospin Centrifuge	Thermo Scientific	A78300003	

Clipped Funnel Starter Kit	Thermo Scientific	3120110	Includes cytofunnels, filter paper, cytoslides, and cytoclips for use with Cytospin centrifuge
Anti-Mouse B-220 - FITC	BD Pharmingen	553088	
Anti-Mouse Gr-1-FITC	eBioscience	11-5931-85	
Anti-Mouse Ter-119-FITC	eBioscience	11-5921-85	
Gibco Fetal Bovine Serum	Thermo Scientific	10437-077	
Dulbecco's Modified Eagle Medium (4.5 g/L)	Life Technologies	11965-092	
Hank's Buffered Salt Solution	Life Technologies	14175-095	
Fibronectin-coated 24-well tissue culture plate	EMD Millipore	PIFB24P05	
IgG2A-PE	BD Pharmingen	553930	
IgG2B-FITC	BD Pharmingen	556923	