

Materials List for:

# Isolation and Analysis of Hematopoietic Stem Cells from the Placenta

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## Materials

Name	Company	Catalog Number	Comments
100mM Glucose			
10mM NaN3			
15-ml conical tubes (BD)			
16-G, 18-G, 20-G, 22-G and 25-G needles (BD)			
30% Sucrose Solution			
35mm Petri Dishes (BD)			
4% Paraformaldehyde			
50- m cell filters (Celltrics)			
5-ml syringes (BD)			
Alkaline Phosphatase Substrate Kit I (Vector Red, Vector)			
Alkaline Phosphatase Substrate Kit III (Vector Blue, Vector)			
Antibiotic (Penicillin/Streptomycin, P/S) solution			
Collagenase type I (Sigma)			
Cryomold Disposable Vinyl Specimen Molds (10mm x 10mm x 5 mm, Tissue-Tek)			
Cytokeratin Primary Antibody (DakoCytomation)			
Dissection forceps, stainless steel or titanium, number 5 or 55			
Drierite			
Fetal Bovine Serum (FBS)			
Fisherbrand Plastic Microscope Slide Mailer (Fisher)			
Glucose Oxidase 1000u/ml			
Levamisole (Vector)			
Mounting media, Aqueous-based Mounting Medium (Vectamount™ AQ)			
Normal Horse Serum (Vector)			
Optimal Cutting Temperature (O.C.T., Tissue-Tek)			
Peroxidase Substrate Kit DAB (Vector)			
Phosphate Buffered Saline (PBS) with Calcium/Magnesium (w Ca <sup>2+</sup> /Mg <sup>2+</sup> )			

Phosphate Buffered Saline (PBS) without Calcium/Magnesium (w/o Ca <sup>2+</sup> /Mg <sup>2+</sup> )			
Plastic Slide Box (holds 100 slides)			
Plastic Tubing (Nalgene 180 PVC Non-toxic Autoclavable)			
Polypropylene Round-Bottom Test Tube, 5 ml (12x75 mm, BD Falcon)			
Proteinase K 20mg/ml Solution (Amresco)			
Research Products International Corp Super Pap Pen HT* Slide Markers (2,5 mm, Fisher)			
Tissue-culture treated U-shaped (round-bottom) 96-well or 24-well plates (BD Falcon)			
Tween20, SigmaUltra (Sigma)			
Tyramide Amplification Kit (Invitrogen)			
Vectastain ABC Alkaline Phosphatase Standard Kit (Vector)			
Vectastain ABC Standard Elite Kit (Vector)			