

Materials List for:

Derivation of Hematopoietic Stem Cells from Murine Embryonic Stem Cells

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Materials

Name	Type	Company	Catalog Number	Comments
C57Bl/6 Rag-2/gamma-c deficient mice	Animal	Taconic Farm		
Plate shaker	Tool	VWR international	33998-360	Orbital Shaker by Ikaworks
Multi-channel pipettor	Tool	VWR international	15000-174	ePet by BioHit
ES trypsin	Reagent	Invitrogen	15090-046	0.25% Trypsin in PBS
Standard trypsin	Reagent	Invitrogen	25300-062	0.05% Trypsin-EDTA
PBS	Buffer	Invitrogen	20012-027	
Enzyme-free dissociation buffer	Buffer	Invitrogen	13151-014	
Dissociation enzyme mix	Buffer	Invitrogen	17104-019	500 mg Collagenase IV
Hyaluronidase	Reagent	Sigma-Aldrich	H2126	freeze in 500 uL aliquots and avoid repeated freezing and thawing.
DNase	Reagent	Sigma-Aldrich	D4527	
DMEM		Invitrogen	10-017CV	
Protamine sulfate	Reagent	Sigma-Aldrich	P3369	8 ug/mL
EB differentiation media	medium			Please view recipe on attached Protocol.doc
10% IMDM	medium			Please view recipe on attached Protocol.doc
10% IMDM+cytokines	medium			Please view recipe on attached Protocol.doc
20% anti-MEM				Please view recipe on attached Protocol.doc