

Materials List for:

Isolation and Derivation of Mouse Embryonic Germinal Cells

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Materials

Name	Company	Catalog Number	Comments
10.5 - 11.5 dpc pregnant C57BL6J female mouse crossed with the same background male mouse.			
Mouse Fibroblast MEF-CF1 ATCC		SCRC-1040	
Dulbecco's Phosphate Buffered Saline (D-PBS)	Invitrogen	14190/086	
Collagenase /Dispase Solution	Roche Group	269638	
Gelatin	Sigma-Aldrich	G1890	
Mitomycin C	Sigma-Aldrich	M4287	
Trypsin EDTA	Invitrogen	25200-072	
MEF Medium: Dulbecco Medium Eagle Modified (D-MEM) GLUTAMAX High glucose	Invitrogen	10566024	
10% Fetal Bovine Serum	Invitrogen	16000/044	
1% of antibiotic-antimycotic	Invitrogen	15420/096	
Knockout Media: 80% knockout D-MEM	Invitrogen	10829/018	
20% Knockout serum Invitrogen Cat. No. 1028/028, 200mM L-glutamine Invitrogen		25130/081	with β -mercapt-ethanol Sigma Catalogue Number: M7522
1X non essential amino acid solution	Invitrogen	11140/050	
1% antibiotic-antimycotic	Invitrogen	15420/096	supplemented with grow factor as 2500 U of Leukemia inhibitory factor (mLIF-ESGRO) Millipore Catalogue Number: ESG1106
40 ng/ml of Recombinant Murine Stem Cell Factor (SCF) ReproTech		250-03	
20 ng/ml of Basic Fibroblast Growth factor (bFGF)	Invitrogen	13256-029	
Corning center well culture dish 60mm	Fisher Scientific	07-200-79	1.5 ml eppendorf tube, and 15 ml falcon tubes
Forceps No. 14 and 15, scalpel 35 mm, dissection scissors, surgical fields, antimicrobial soap, saline solution 0.9 %, gauze, ice foam container, razor blade, scalpel 35 mm, fine forceps No. 4 and 5, fine teasing needle with handle, filter paper sheets, and pulled glass pipettes.			
Equipment: dissecting stereomicroscope, light source Schott Fostec, inverted microscope, micropipette 10 and 200ul, centrifuge, bio safety Cabinet.			
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