

Materials List for:

Culture and Maintenance of Human Embryonic Stem Cells

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Materials

Name	Company	Catalog Number	Comments
D-MEM	Invitrogen	11965-092	For MEF medium
Fetal Bovine Serum (FBS), Certified	Invitrogen	16000-044	Heat-inactivated For MEF medium
D-MEM/F-12	Invitrogen	11330-057	
Knockout™ Serum Replacement	Invitrogen	10828-028	Pre-screen to ensure support of hES cells
bFGF	Stemgent	03-0002	Use at [4 ng/mL] final
Non-essential Amino Acids	Invitrogen	11140-050	
L-glutamine	Invitrogen	25030-081	200 mM (100X) Use at [1X] final
PBS	Invitrogen	14190-250	Without Ca ²⁺ or Mg ²⁺
Collagenase IV	Invitrogen	17104-019	Make a fresh solution at 1 mg/mL in D-MEM/F-12
Gelatin	Sigma-Aldrich	G1890	Type A, Porcine
Fetal Bovine Serum (FBS), Defined	Hyclone	SH300.70.01	For freezing medium
6-well plates	Nalge Nunc international	140675	For general culture
4-well plates	Nalge Nunc international	176740	For thawing
5 mL glass pipets	Fisher Scientific	13-678-27E	Individually wrapped
15 mL conical tubes	Corning	430052	Polypropylene
Pasteur pipettes	Fisher Scientific	13-678-20D	9" glass