

Materials List for:

Shrinky-Dink Hanging Drops: A Simple Way to Form and Culture Embryoid Bodies

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Materials

Name	Company	Catalog Number	Comments
Material Name	Type	Company	Catalogue Number
Shrink-Dink Film	Material	K&B Innovations	D300-10A
PDMS	Material	Dow Corning	Sylgard 184
Acetone	Reagent	Fisher Scientific	A16P-4
Ethanol	Reagent	Fisher Scientific	A405P-4
PBS	Reagent	Sigma	P4417
BMP-4	Reagent	R and D systems	314-BP-010
Knock-Out DMEM (KO DMEM)	Reagent	Invitrogen	10829
KnockOut Serum Replacement (KSR)	Reagent	Invitrogen	10828
Penn-Strep	Reagent	Invitrogen	15070-063
L-glutamine	Reagent	Invitrogen	25030-081
Non-essential Amino Acids (NEAA)	Reagent	Invitrogen	11140
D-mercaptoethanol (BME)	Reagent	Calbiochem	444203
Leukemia Inhibitory Factor (LIF) {ESGRO 106 units}	Reagent	Chemicon	ESG1106
Printer	Tool	HP	Laser Jet 2420d
Oven	Tool	Yamato Scientific	DP-22
For the mESC media(McCloskey lab protocol): (for total media prepared: 50ml; 100ml) KO DMEM: 40.8ml; 81.6ml 15% KSR: 7.5ml; 15ml 1x Penn-Strep: .5ml; 1ml 2mM L-glutamine: .5ml; 1ml NEAA : .5ml; 1ml LIF: 100ul; 200ul BMP-4 (10ng/ml): 50ul; 100ul Diluted BME: 50ul; 100ul (Add 35ul of sterile filtered BME to 5ml of PBS and syringe filter sterilize. Discard after 2 weeks. Final concentration in the solution is .1mM)			