

Materials List for:

Quantification of Self-renewal in Murine Mammosphere Cultures

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Materials

Name	Company	Catalog Number	Comments
ACK lysis buffer	Lonza	10-548E	Ammonium-chloride-potassium lysis bufer, 100 mL.
B27	Invitrogen	17504-044	B27 supplement 50X (10 mL). Final concentration 2% v/v.
bFGF	Peptotech	100-18B	Human recombinant fibroblast growth factor - basic, 50 µg. Stock solution 100 µg/µL in Tris 5 mM pH 7.6. Final dilution 0.02% v/v.
Collagenase	Sigma	C2674	Collagenase from <i>Clostridium histolyticum</i> . Type I-A, lyophilized powder, 1 g. Stock 20,000 U/mL in DMEM. Final dilution 1% v/v.
DMEM	Lonza	12-614F	Dulbecco's modified Eagle's medium
DPBS	Microgem	S17859L0615	Dulbecco's phosphate buffered saline
EGF	Tebu-Bio	AF-100-15	Recombinant human epithelial growth factor. Stock solution 100 µg/mL in sterile dH ₂ O. Final dilution 0.02% v/v.
Glutamine	Lonza	17-605E	L-Glutamine, 200 mM. Final dilution 1% v/v.
Heparin	PharmaTex	34692032	Stock concentration 5,000 IU/mL. Final dilution 0.008% v/v.
Hyaluronidase	Sigma	H4272	Type IV-S, powder, 750-3,000 U/ mg solid, 30 mg. Stock solution 10 mg/mL in sterile dH ₂ O. Final dilution 1% v/v.
Hydrocortisone	Sigma	H0888	Stock concentration 100 µg/mL. Final dilution 0.5% v/v.
Insulin	SAFCBiosciences	91077C	Insulin, human recombinant, dry powder, 250 mg. Stock concentration 1 mg/mL. Final dilution 0.5% v/v.
Low attachment 6-well plates	Corning	351146	Sterile 6-well not treated cell culture plates with clear flat bottom and lid.
MEBM	Lonza	CC-3151	Mammary epithelial cell growth basal medium
Penicillin-Streptomycin mixture	Lonza	17-602F	Contains 10,000 U potassium penicillin and 10,000 µg streptomycin sulfate per mL in 0.85% saline. Final dilution 1% v/v.

Poly-HEMA	Sigma	P3932	Dissolve in 95% EtOH overnight at 55 °C. Stock concentration 12% w/v. Final dilution 1% v/v in 95% EtOH. Filter (0.22 µm) before use.
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