

Materials List for:

Isolation of Mouse Epidermal Keratinocytes and Their In Vitro Clonogenic Culture

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Materials

Name	Company	Catalog Number	Comments
0.4% Trypan blue 1x in 0.9% saline	Life Technologies Gibco	15250-061	
1 M HEPES Buffer	Sigma	H0887	Sterile
1.5 inch magnetic stir bar with pivot ring	Bel-Art, Wayne	371101128	in 2 oz Nalgene jar
10 mL disposable pipettes	BD Falcon	357551	
15 mL sterile conical tube	BD Falcon	352097	
150 cm ² (T-150) culture flask	Corning	430825	
2 mL Screw Cap Micro Tube Conical	Sarstedt	72.608	
2 oz Nalgene jar	Thermo Fisher Scientific	2118-0002	60 mL
2.5% Trypsin solution 10x	Life Technologies Gibco	15090-046	
225 cm ² (T-225) culture flask	Corning	431082	
32 oz Nalgene Square Storage Bottles: PETG	Thermo Fisher Scientific	2019-1000	1000 mL
35 mm sterile culturing dish	Corning	430165	
5 mL disposable pipets	BD Falcon	357543	
50 mL sterile conical tube	BD Falcon	352098	
60 mm sterile culturing dish	Corning	430166	
70% ethanol			
90 mm diameter Spectra Mesh filter, 74 µm pore size	Spectrum Laboratories	145956	
Antibiotics (penicillin-streptomycin)	Life Technologies Gibco	15140-122	
Bovine calf serum (BCS)	Thermo Fisher Scientific Hyclone	SH30073.03	
Bovine serum albumin	BD Biosciences	354331	
CD34 Ram34 FITC conjugated antibody	BD Pharmingen	553733	
CD49f (alpha6-integrin, GOH3) PE conjugated antibody	BD Pharmingen	555736	
Cell Strainer, 70 µm sterile	BD Discovery Labware	352350	
Collagen, Bovine, Type I, 30 mg	BD Biosciences	354231	
CoolCell Economical cell freezing container for 1 or 2 mL cryovials	Biocison	BCS-136PK	
Corning 2 mL Polypropylene Cryogenic Vial, Self-Standing with Round Bottom	Corning	430659	
Dimethyl sulfoxide (DMSO)	Sigma	D2650	

Distilled Milli-Q water			made fresh; twice distilled reverse osmosis water
Dulbecco's phosphate-buffered saline 1x, Ca ²⁺ and Mg ²⁺ free	Life Technologies Gibco	14190-144	Sterile
Dulbecco's Modified Eagle's Medium (DMEM)	ATCC	30-2002	
Fetal bovine serum (FBS)	Thermo Fisher Scientific Hyclone	SH 300070.03	
Fibronectin	Sigma	F1141-5MG	
Fisherbrand 4 oz. Sterile Specimen Container	Fisher Scientific	16-320-730	
Gentamicin 50 mg/mL 10	Life Technologies Gibco	15750-060	
KGM	Lonza	CC-3103	
Nalgene "Mr. Frosty" cell freezer	Thermo Fisher Scientific	5100-0001	
Nalgene PC Straight-Side Wide-Mouth Jars, 16 oz	Thermo Fisher Scientific	2116-0500	
No. 22 sterile stainless-steel blades	BD Bard-Parker	371222	
No. 4 scalpel handles	Biomedical Research Instruments	26-1200	In a cup with 70% ethanol
One pair of full-curve eye dressing forceps	Militex	18-784	In a cup with 70% ethanol
One pair of scissors	Biomedical Research Instruments	25-1050	In a cup with 70% ethanol
One pair of thumb dressing forceps	Militex	6-4	In a cup with 70% ethanol
Oster Pro-Cord/Cordless Trimmer no.40 blade	Jarden Consumer Solutions/Oster	78997-010	
Plastic Petri dish 100 mm x 20 mm sterile	Corning	430167	
Pyrex Brand Plain Stemless Glass Funnel	Corning	6240-75	
Rat IgG2akappa FITC isotype control antibody	BD Pharmingen	553929	
Rat IgG2akappa PE isotype control antibody	BD Pharmingen	555844	
SFM	Life Technologies Gibco	10725-018	
SMEM	Life Technologies Gibco	11380-037	
SMEM: Ca ²⁺ and Mg ²⁺ free minimal essential medium for suspension culture	Life Technologies Gibco	11380-037	
Square sterile plastic Petri dishes	BD Falcon	351112	
Swiss mouse 3T3 fibroblasts	ATCC	CCL-92	used within 10 passages
Triadine; 10% Povidone-Iodine Prep Topical Solution, 16 oz	Triad Group	10-8216	
VWR Plastic Petri dishes, sterile Space Saver 100 x 10	VWR	25384-324	
Williams E Medium	Life Technologies Gibco	12551-032	
Ziploc bag			