

Materials List for:

Isolation and Culture of Primary Mouse Keratinocytes from Neonatal and Adult Mouse Skin

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Materials

Name	Company	Catalog Number	Comments
C57BL/6 neonates or adult wildtype mice	Jackson Laboratory	000664	Wildtype mice (originally purchased from Jackson Laboratory) are bred and maintained in animal vivarium at UCSD.
KC basal medium (EpiLife)	Invitrogen, Carlsbad, CA	MEPICF500	basal medium for keratinocyte culture with 0.06 mM CaCl ₂
Defined Growth Supplement (dGS)	Invitrogen, Carlsbad, CA	S0125	defined growth supplements for culture medium
Dispase powder	Invitrogen, Carlsbad, CA	17105041	enzyme to dissociate the epidermis from dermis
Attachment Factor	Invitrogen, Carlsbad, CA	S006100	gelatin-based coating material
Coating Matrix	Invitrogen, Carlsbad, CA	R011K	Collagen-based coating material
TrypLE	Invitrogen, Carlsbad, CA	12604-013	A gentle trypsin-like enzyme to dissociate keratinocytes from epidermal sheet
100 µm Cell Strainer Nylon mesh	Corning	352360	
CCK-8 cell viability Kit	Dojindo Molecular Technologies, Rockville, MD	CK04-11	
Mouse TNF (Mono/Mono) ELISA Set II	BD Biosciences, San Jose, CA	555268	
Corded Hand-Held UV Lamps	Spectronics, Westbury, NY	EB-280C	
8-watt UV tubes	Spectronics, Westbury, NY	BLE-8T312	
Light Inverted Microscope for cell culture	ZEISS, Jena, Germany	Axio Observer	
Fluorescent Microscope	Olympus	BX41	