

Isolation and Culture of Primary Oral Keratinocytes from the Adult Mouse Palate

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Materials

Name	Company	Catalog Number	Comments
0.025% Trypsin/EDTA	Gibco	R001100	
0.05% Trypsin/EDTA, phenol red	Gibco	25300062	
0.4w/v% Trypan Blue solution	Wako	207-17081	
10 mL Serological pipet	Falcon	357551	
100 µm Nylon cell strainer	Falcon	352360	
15 mL sterile conical tube	Falcon	352096	
2 mL Aspirating pipet	Falcon	357558	
35 mm Cell culture dish	Corning	353801	
50 mL sterile conical tube	Falcon	352070	
60 mm Cell culture dish	Corning	353802	
6-well Tissue Culture plate	Falcon	353046	
96 Well Culture plate (U bottom)	Falcon	353077	
Antibiotic-Antimycotic 100x	Gibco	15240062	
Biocoat Collagen I cellware 60mm dish	Corning	356401	
Blunt Forceps	AS ONE	1-8187-03	
Butorphanol	Meiji Seika Pharma		Vetorphale
CoolCell LX	Corning	432002	Cryogenic storage
Cotton	AS ONE	63-1452-97	
Cover slips 22 x 22 µm square	Matsunami Glass Ind.	C022221	
Cryogenic Vial 1.2 mL	Thermo Scientific	5000-0012	
Defined Trypsin Inhibitor (DTI)	Gibco	R007100	
Dimethyl sulfoxide (DMSO)	Sigma-Aldrich	276855-100ML	
Donkey anti-Rabbit IgG (H+L), Alexa Fluor 555	Invitrogen	A31572	

Donkey anti-Rat IgG (H+L), Alexa Fluor 488	Invitrogen	A21208	
Donkey serum	Sigma-Aldrich	D9663-10ML	
EpiLife Defined Growth Supplement (EDGS)	Gibco	S0120	
EpiLife, with 60 μ M calcium	Gibco	MEPI500CA	
Fetal Bovine Serum (FBS)	Gibco	26140079	
Fine forceps	BRC Bio Research Center	PRI13-3374	
Goat anti-PDGF Receptor α	R&D Systems	AF1062	
Goat serum	Sigma-Aldrich	G9023-10ML	
Half-curved forceps	BRC Bio Research Center	PRI13-3376	
Hemocytometer	Hirschmann Laborgeräte	8100204	
Hoechst	Sigma-Aldrich	B2261	
Iris Scissors	Muromachi Kikai	14090-09	
Medetomidine	Nippon Zenyaku Kogyo		Domitor
Midazolam	Astellas Pharma		Dormicum
No.15 Disposable scalpel	Feather	219AABZX00136000	
Paraformaldehyde	Wako	162-16065	
Phosphate Buffered Saline 1x, pH 7.4	Gibco	10010049	
Povidone-iodine	Y's Square	872612	
Rabbit anti-Cytokeratin 13 antibody	Abcam	ab92551	
Rabbit anti-K14	BioLegend	905301	
Rabbit anti-p63 antibody	Abcam	ab124762	
Raspatorium #14	AS ONE	8-4599-01	
Rat α 6-integrin	BD Biosciences	553745	
Triton X-100	Wako	581-81705	
Type I Collagen coated 24-well plate	Corning	354408	
Type I Collagen coated 60mm dish	Corning	356401	
Type I Collagen coated 6-well plate	Corning	355400	