

Materials List for

Generation and Characterization of Murine Oral Mucosal Organoid Cultures

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Citation

Seubert, A.C., Krafft, M., Kretzschmar, K. Generation and Characterization of Murine Oral Mucosal Organoid Cultures. *J. Vis. Exp.* (173), e62529, doi:10.3791/62529 (2021).

Date Published

July 31, 2021

DOI

10.3791/62529

URL

jove.com/video/62529

Materials

Name	Company	Catalog Number	Comments
Media & Media Components			
Advanced Dulbecco's Modified Eagle Medium (DMEM)/F12	Thermo Fisher Scientific	12634-028	
B27 Supplement	Thermo Fisher Scientific	17504-044	
GlutaMAX-I (100x)	Thermo Fisher Scientific	35050-038	
HEPES	Thermo Fisher Scientific	15630-056	
N-acetyl-L-cysteine	Sigma Aldrich	A9165	
Nicotinamide	Sigma Aldrich	N0636	
Penicillin/Streptomycin	Thermo Fisher Scientific	15140-122	
Primocin	Invivogen	ant-pm1	
RSPO3-Fc fusion protein conditioned medium	U-Protein Express BV	R001	
Recombinant human EGF	Preprotech	AF-100-15	
Recombinant human FGF-10	Preprotech	100-26	
ROCK (Rho kinase) inhibitor Y-27632 dihydrochloride	Hözel Biotech	M1817	
Antibodies			
Keratin-14 Polyclonal Antibody 100µl	Biozol	BLD-905301	
E-Cadherin Antibody	Bio-Techne	AF748	
Purified Mouse Anti-Ki-67 Clone B56 (0.1 mg)	BD Bioscience	556003	
ALEXA FLUOR 594 Donkey Anti Mouse	Thermo Fisher Scientific	A21203	
ALEXA FLUOR 647 Donkey Anti Rabbit	Thermo Fisher Scientific	A31573	
ALEXA FLUOR 488 Donkey Anti Goat	Thermo Fisher Scientific	A110555	
Reagents / Chemicals			
BME Type 2, RGF Cultrex Pathclear	Bio-Techne	3533-005-02	
Dimethyl sulfoxide (DMSO)	Sigma Aldrich	34943-1L-M	

Collagenase A	Roche	10103578001	
Donkey Serum	Sigma Aldrich	S30-100ML	
Phosphate Buffered Saline (PBS)	Thermo Fisher Scientific	100-100-15	
EDTA	Sigma Aldrich	221465-25G	
Ethanol, denatured (96 %)	Carl Roth	T171.3	
Formalin Solution, neutral buffered, 10%	Sigma Aldrich	HT501128-4L	
TritonX-100	Sigma Aldrich	X100-500ML	
Tween-20	Sigma Aldrich	P1379-500ML	
TrypLE Express Enzyme (1×), phenol red	Thermo Fisher Scientific	12605-010	
Xylene	Sigma Aldrich	534056-500ML	
Equipment and Others			
Cell culture 12-Well Multiwell Plates	Greiner BioOne	392-0047	
Cell Strainer: 100 µm	VWR	732-2759	
Cover Slips	VWR	631-1569P	
Glass Bottom Microplates VE=10 4580	Corning	13539050	
Objective Slides: Superfrost Plus	VWR	631-0108P	