

Materials List for:

Isolation of Myoepithelial Cells from Adult Murine Lacrimal and Submandibular Glands

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Materials

Name	Company	Catalog Number	Comments
Biosafety Cabinet	SterilCard Baker	19669.1	Class II type A/B3
10 mL Disposable serological pipets	VWR	89130-910	Manufactured from polystyrene and are supplied sterile and plugged
10 mL Disposable serological pipets	VWR	89130-908	Manufactured from polystyrene and are supplied sterile and plugged
15 mL High-clarity polypropylene conical tubes	Falcon	352196	
25 mL Disposable serological pipets	VWR	89130-900	Manufactured from polystyrene and are supplied sterile and plugged
5 mL FACS round-bottom tubes	Fisher Scientific, Falcon	14-959-11A	
50 mL High-clarity polypropylene conical tubes	Falcon	352070	
Antibiotic-antimycotic	Invitrogen	15240-062	
Appropriate filter and non-filter tips	Any available	Any available	
BD Insulin Syringes	Becton Dickinson	328468	with BD Ultra-Fine needle ½ mL 8 mm 31 G
BD Syringes 10 mL	Becton Dickinson	309604	Sterile
Brilliant Violet 421 anti mouse CD326 (EpCAM)	Biolegend	118225	Monoclonal Antibody (G8.8)
CaCl ₂ 1M solution	BioVision	B1010	sterile
Cell culture dishes 35 mm	Corning	430165	Non-pyrogenic, sterile
Collagenase Type I	Worthington	LS004194	
Corn oil	Any available	Any available	From grocery store
Corning cell strainer size 70 µm	Sigma-Aldrich	CLS431751-50EA	
Digital Stirrer PC-410D	Corning	Item# UX-84302-50	
Dispase II	Sigma-Aldrich	D4693-1G	
Dissecting scissors, curved blunt	McKesson Argent	487350	Metzenbaum 5-1/2 Inch surgical grade stainless steel non-sterile finger ring handle
DNase I	Akron Biotech, catalog number	AK37778-0050	
Dulbecco's Modified Eagle's Medium – low glucose (DMEM)	Sigma-Aldrich	D5546-500ML	with 1,000 mg/L glucose and sodium bicarbonate, without L-glutamine
Dulbecco's Modified Eagle's Medium/F12 (DMEM/F12)	Millipore	DF-042-B	without HEPES, L-glutamine

Easypet 3 pipette controller	Eppendorf	443000018	with 2 membrane filters 0.45 µm, 0.1 – 100 mL
Ethanol	Sigma-Aldrich	E7023-500ML	
Ethylenediaminetetraacetic acid (EDTA)	Sigma-Aldrich	E6758	
Fisher Vortex Genie 2	Fisher Scientific	12-812	
FlowJo version 10	Any available	Any available	
Fluorescence binocular microscope Axioplan2	Carl Zeiss	ID# 094207	
Ghost Red 780 Viability Dye	Tonbo Biosciences	13-0865-T100	
GlutaMAX Supplement	ThermoFisher Scientific, Gibco	35050061	
Glycerol 99%	Sigma-Aldrich	G-5516	
Hand tally counter	Heathrow Scientific	HEA6594	
Hank's Balanced Salt Solution (HBSS)	Sigma Millipore	H6648-500ML	Modified, with sodium bicarbonate, without calcium chloride, magnesium sulphate, phenol red.
Hank's Balanced Salt Solution (HBSS)	ThermoFisher Scientific	14025092	With calcium, magnesium, no phenol red.
Hausser Bright-Line Phase Hemocytometer	Fisher Scientific	02-671-51B	02-671-51B
HEPES 1 M solution	ThermoFisher Scientific, Gibco	15630-080	Dilute 1/10 in ddH2O
HyClone Fetal Bovine Serum (FBS)	Fisher Scientific	SH3007002E	
Hydrochloric Acid (HCl), 5 N Volumetric Solution	JT Baker	5618-03	To adjust Tris buffer pH
Innova 4230 Refrigerated Benchtop Incubator	New Brunswick Scientific	SKU#:	Shaker; 37 °C, 5% CO ₂ in air
Iris scissors	Aurora Surgical	AS12-021	Pointed tips, delicate, curved, 9 cm, ring handle
Isoflurane Inhalation Anesthetic	Southern Anesthesia Surgical (SAS)	PIR001325-EA	
MgCl ₂ 1 M solution	Sigma-Aldrich	63069-100ML	
Microcentrifuge tubes 1.5 mL	ThermoFisher Scientific	3451	Clear, graduated, sterile
Microsoft Power Point	Any available	Any available	
NaCl powder	Sigma-Aldrich	S-3014	
Nalgene 25 mm Syringe Filters	Fisher Scientific	724-2020	
Pen Strep	Gibco	15140-122	
pH 510 series Benchtop Meter	Oakton	SKU: BZA630092	
Phosphate buffered saline (PBS)	ThermoFisher Scientific	10010023	pH 7.4
Pure Ethanol 200 Proof	Pharmco-Aaper	111000200	
Red blood cell lysis buffer 10x	BioVision	5831-100	
Roto-torque Heavy Duty Rotator	Cole Parmer	MPN: 7637-01	
Safe-lock round bottom Eppendorf tubes 2 mL	Eppendorf Biopur	22600044	PCR inhibitor, pyrogen and RNase-free
Scissors	Office Depot	375667	
Sorting flow cytometer MoFlo Astrios EQ	Beckman Coulter	B25982	With Summit 6.3 software
Sorvall Legend Micro 17R Microcentrifuge	Thermo Scientific	75002441	All centrifugation performed at RT
Sorvall RT7 Plus Benchtop Refrigerated Centrifuge	Thermo Scientific	ID# 21550	RTH-750 Rotor. All centrifugation performed at RT

Stemi SV6 stereo dissecting microscope	Carl Zeiss	455054SV6	With transmitted light base
Tamoxifen	Millipore Sigma	T5648-1G	
Trizma base powder	Sigma-Aldrich	T1503	
Trypan blue solution	Millipore Sigma	T8154	
Two Dumont tweezers #5	World Precision Instruments	500342	11 cm, Straight, 0.1 mm x 0.06 mm tips
Upright microscope	Any available	Any available	With transmitted light base
Vacuum filtration systems, standard line	VWR	10040-436	
Variable volume micropipettes	Any available	Any available	