

Materials List for:

Glaucoma-inducing Procedure in an *In Vivo* Rat Model and Whole-mount Retina Preparation

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Materials

Name	Company	Catalog Number	Comments
Xylazine hydrochloride, Minimum 99%	Sigma, Life Science	X1251-1G	
Ketamine hydrochloride injection, USP, 100mg/ml	Putney, Inc	NDC 26637-411-01	10 ml bottle
Acepromazine Maleate, 10mg/ml	Phoenix Pharmaceutical, Inc	NDC 57319-447-04, 670008L-03-0408	50 ml bottle
Serum bottle, 10 ml	VWR	16171319	Borosilicate glass
1 ml insulin syringe	VWR	BD329410	28 G needle
Sodium chloride	Sigma	S7653	2 M Solution
Microelectrode Puller	Narishige Group	PP-830	
Heavy Polished Standard and Thin Walled Borosilicate Tubing	Sutter Instruments	B150-86-10HP	without filament, 0.86 mm
Microfil syringe needle for filling micropipettes	World Precision Instruments, Inc	MF28G	
18 gauge Luer-Lock needle	Fisher Scientific	1130421	Syringe needle
Flexible Polyethylene Tubing	Fisher Scientific	22046941	0.034 inch diameter, approximately 10 inches
Proparacaine Hydrochloride Ophthalmic Solution, USP, 0.5%	Akorn, Inc	NDC 17478-263-12	15 ml sterile bottle
Curved Scissors	Fine Science Tools	14061-11	
Microscope	Leica	StereoZoom 4	
Hemostat Clamp	Fine Science Tools	1310912	curved edge
Triple Antibiotic Ointment	Fisher Scientific	NC0664481	
Scalpel handle	Fine Science Tools	10004-13	
Scalpel blade #11	Fine Science Tools	10011-00	
60 mm x 15 mm Disposable Petri Dish	VWR	351007	
Phosphate Buffered Saline 10x Concentrate	Sigma, Life Science	P7059-1L	1x dilution
Spring Scissors	Fine Science Tools	15009-08	
Forceps (2), Dumont # 5	Fine Science Tools	11251-30	
3 ml Transfer Pipets, polyethylene, non sterile	BD Biosciences	357524 or 52947-948	1 and 2 ml graduations
35 mm x 10 mm Easy Grip Petri Dish	BD Biosciences	351008	
Sylgard 184	VWR	102092-312	
Cactus Needles			

Paraformaldehyde	EMD Millipore	PX0055-3 or 818715.0100	Made into a 4% solution
Triton X-100	Sigma	T9284-100 ml	Made into both a 1% and 0.1% solution
Fetal Bovine Serum	Atlanta Biological	S11150	500 ml
Purified Mouse Anti-Rat CD90/ mouse CD90.1	BD Pharmingen	Cat 554892	1:300 dilution
Alexa Fluor 594 goat anti-mouse	Life Technologies	A11005	1:300 dilution
Microscope Slides	Corning	2948-75x25	
Glycerol	Sigma	G5516-100 ml	50% glycerol to 50% PBS, by weight
Coverglass	Corning	2975-225	Thickness 1.22 x 50 mm
Confocal Microscope	Nikon	C2 Eclipse Ti	