

Materials List for:

Ultrahigh Resolution Mouse Optical Coherence Tomography to Aid Intraocular Injection in Retinal Gene Therapy Research

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Materials

Name	Company	Catalog Number	Comments
C57BL6 (J)	Jackson Laboratories	664	
N129R-	N/A	N/A	
2HRho 1T/1T	N/A	N/A	
Envisu R-2200 Ocular Coherence Tomography Instrument (OCT)	Bioptigen	90-R2200-U1-120.	
Retinal Imaging System (RIS)	In-house	N/A	
Stemi 2000C Microscope	Zeiss	000000-1106-133	
P-97 Flaming/Brown micropipette puller	Sutter Instrument Co	p-97	
MMN-33 micro manipulator	Narishige USA	MMN-33	
PLI-100 micro injector	Harvard Apparatus	64-1736	
Micropipette Holder (Rotating)	In-house	N/A	
Micropipette Storage Receptacle	World Precision Instruments Inc.	E210	
Borosilicate glass capillary tubes 1.5-1.8 X 100mm,	Harvard Apparatus	30-0053	
2,2,2-Tribromoethanol	SIGMA Aldrich	T48402-25G	
Tert-amyl Alcohol	SIGMA Aldrich	240486-100ML	
Atropine Sulfate Ophthalmic Solution, USP 1%	Akorn Inc.	NDC 17478-215-05	
Goniovisc	BioVision Limited	NDC 17238-610-15	
Cyclopentolate Hydrochloride Ophthalmic Solution, USP 2%	Akorn Inc.	NDC 17478-097-10	
Gentamicin Sulfate Ointment USP, 0.1%	Perigo	NDC 45802-046-35	
Systane Ultra	Alcon Laboratories, Inc.	9006619-1013	
Tetracaine Hydrochloride	Bausch and Lomb	NDC 24208-920-64	
Ophthalmic Solution, USP 0.5%	Bausch and Lomb	NDC 24208-920-64	
DPBS	Gibco Life Technologies	14190-136	
Virus Preparations	ViGene /UNC	N/A	
Gold nanorods	NANOPARTz	D12M-850-1.75	

Fluorescein Sulfate AK-FLUOR 25%	Akorn Inc.	NDC 17478-250-20	
Coverslips	Fisher Scientific	12-548-A	
Forceps	Milton	18-825	
Needles 30 guage	Beckton Dickenson	W11604	
Syringes	Beckton Dickenson	309659	
Bioprogen software Package	Bioprogen	N/A	
Proparacaine Hydrochloride Ophthalmic Solution, USP 0.5%	Akorn Inc.	NDC 17478-263-12	
Windows Excel	Microsoft	N/A	
Adobe Illustrator	Adobe		
Scale	Mettler		
Scissors	World Precision Instruments		
Ear punch	Nat'l band		
CL 100 Light source	Welch Allyn	CL100	
Nitrogen Gas	Jackson Welding Supply	N/A	
Heated Water bath	Neslab	RTE-140	
Heating plate	In House	N/A	
Heating mat	Cincinnati Sub Zero	273	
Clay mouse holder	Plast.i.clay American Art Clay Co.	N/A	
Betadine	MedLine	NDC53329-938-06	
Cotton Tip Applicators	American Health Service	Ctag	
EtOH 70%	Fisher Scientific	BP2818-100	
Gloves Nitrile	VWR	89038-272	
Diagnosys ERG Color Dome instrument	Diagnosys Inc.	D125	
Contact lenses	In-house	N/A	
Diagnosys Software	Diagnosys Inc.	N/A	
Origin 6.1 software	OriginLab Corp.	N/A	
Reference electrodes	Ocuscience	F-Thread Electrode (DTL) 24"	