

Materials List for:

Assessment and Characterization of Hyaloid Vessels in Mice

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Materials

Name	Company	Catalog Number	Comments
AK-Fluor (fluorescein injection, USP)	Akorn	17478-253-10	
Anti-CD31 antibody	Abcam	ab28364	
Antifade mounting medium	Thermo Fisher	S2828	
Antifade Mounting Medium with DAPI	Vector Laboratories	H-1200	
Artificial tear eyedrop	Systane	N/A	
Bovine serum albumin (BSA)	Sigma-Aldrich	A2058	
C57BL/6J mice	The Jackson Laboratory	Stock NO: 000664	
Calcium chloride (CaCl ₂)	Sigma-Aldrich	C1016	
Cryostat	Leica	CM3050S	
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Cyclopentolate hydrochloride and phenylephrine hydrochloride eyedrop	Cyclomydril	N/A	
Gelatin	Sigma-Aldrich	G9382	
Goat anti-Rabbit IgG (H+L) Cross-Adsorbed Secondary Antibody, Alexa Fluor 488	ThermoFisher Scientific	A-11008	
Heating board	Lab-Line Instruments Inc.	N/A	
Isolectin GS-IB4, 594 conjugate	ThermoFisher Scientific	I21413	
Ketamine hydrochloride injection	KetaVed	NDC 50989-996-06	
<i>Lrp5</i> ^{-/-} mice	The Jackson Laboratory	Stock NO. 005823	Developed by Deltagen Inc., San Mateo, CA
Micron IV and OCT	Phoenix Research Labs	N/A	Imaging software: InSight
Microscope	Zeiss	discovery v8	
Microsurgery forceps	Scanlan International	4004-05	
Microsurgery scissors	Scanlan International	6006-44	
Optimal cutting temperature compound	Tissue-Tek	4583	
Optimal cutting temperature compound	Agar Scientific	AGR1180	
Paraformaldehyde (16%)	Electron Microscopy Sciences	15710	
Peel-A-Way disposable embedding molds (tissue molds)	Fisher Scientific	12-20	
Phosphate-buffered saline (PBS) buffer (10X)	Teknova	P0496	
Slide cover glass	Premiere	94-2222-10	

Superfrost microscope slides	Fisherbrand	12-550-15	
Triton X-100	Sigma-Aldrich	X100	
Xylazine sterile solution	Akorn: AnaSed	NDC: 59399-110-20	