

Materials List for

Obtaining High-Quality Cryosections of Whole Rabbit Eye

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Materials

Name	Company	Catalog Number	Comments
100 mm culture dish	Corning	353025	Used for dissection (steps 1.3, 3, and 5)
50 mL tube	Genesee Scientific	28-106	For fixation and cryoprotection (step 1)
Cryostat	Leica	CM1850	For cryosectioning (step 7)
Curved scissors	Fine Science Tools	91500-09	Used for dissection (steps 1.3, 3, and 5)
DAPI	Fisher Scientific	D3571	Diluted 1:1,000 in blocking buffer
Dissection microscope	Zeiss	Stemi 2000-C	Used for dissection (steps 1.3, 3, and 5)
Donkey anti-Goat 488	Fisher Scientific	A-11055	Diluted 1:1,000 in blocking buffer
Donkey anti-Mouse 555	Fisher Scientific	A-31570	Diluted 1:1,000 in blocking buffer
Forceps	Fine Science Tools	91150-20	Used for dissection (steps 1.3, 3, and 5)
Glass Slide Cover	VWR	48404-453	For cryosectioning (step 7)
Goat anti-SOX2	R&D Systems	AF2018	Diluted 1:100 in blocking buffer
High-profile disposable cryostat blades	Leica Microsystems Inc.	14035838926	For cryosectioning (step 7)
Kimwipe	Fisher Scientific	06-666-A	Used to wipe away excess PBS or OCT (steps 3 and 6)
Mouse anti-RPE65	Novus Bio	NB100-355SS	Diluted 1:100 in blocking buffer
OmniPur Sucrose	Millipore	167117	Used for cryoprotectant (step 1.2)
Paraformaldehyde 20% solution	Electron Microscopy Sciences	15713	Used as tissue fixative (diluted to 4% in step 1.1)
Peel-A-Away Disposable Embedding Mold (22x22x20 mm Deep)	Polysciences, Inc.	18646A	Used as embedding mold (step 6)
Phosphate buffered saline, 1x	Corning	21-030-CV	Used in preparation of fixative (step 1.1) and cryoprotectant (step 1.2)
Scalpel blade no. 15	Feather	08-916-5D	Used for dissection (steps 1.3, 3, and 5)
Superfrost Plus Microscope Slides	Fisher Scientific	12-550-15	For cryosectioning (step 7)

Tissue-Tek O.C.T. Compound	Sakura	4583	Used as embedding media (step 6)
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