

Ex Vivo OCT-Based Multimodal Imaging of Human Donor Eyes for Research into Age-Related Macular Degeneration

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Materials

Name	Company	Catalog Number	Comments
Beakers, 250 mL	Fisher	# 02-540K	
Bottles, 1 L, Pyrex	Fisher	# 10-462-719	storage for preservative
Bunsen burner or heat source	Eisco	# 17-12-818	To melt wax
Camera, digital	Nikon D7200	D7200	
Computer and storage	Apple	iMac Pro; 14 TB external hard drive	Image storage
Container, insulated	Fisher	# 02-591-45	For wet ice
Containers, 2 per donor, 40 mL	Fisher	Sameco Bio-Tite 40 mL # 13-711-86	For preservative
Crucible, quartz 30 mL	Fisher	# 08-072D	Hold globe for photography
Cylinder, graduate, 250 mL	Fisher	# 08-549G	
Disinfectant cleaning supplies			https://www.cardinalhealth.com/en/product-solutions/medical/infection-control/antiseptics.html
Eye holder with lens and mounting bracket	contact J. Messinger	jeffreymessinger@uabmc.edu	custom modification of Heidelberg Engineering original design
Face Protection Masks	Fisher	# 19-910-667	
Forceps, Harmon Fix	Roboz	# RS-8247	
Forceps, Micro Adson	Roboz	# RS-5232	
Forceps, Tissue	Roboz	# RS-5172	
Glass petri dish, Kimax	Fisher	# 23064	
Gloves Diamond Grip	Fisher	# MF-300	
Gowns GenPro	Fisher	# 19-166-116	
Image editing software	Adobe	Photoshop 2021, Creative Suite	

KimWipes	Fisher	# 06-666	
Lamps, 3 goosenecks	Schott Imaging	# A20800	
Microscope, stereo	Nikon	SMZ 1000	for dissection
Microscope, stereo	Olympus	SZX9	color fundus photography
Paraformaldehyde, 20%	EMS	# 15713-S	for preservative; dilute for storage
pH meter	Fisher	# 01-913-806	
Phosphate buffer, Sorenson's, 0.2 M pH 7.2	EMS	# 11600-10	
Ring flash	B & H Photo Video	Sigma EM-140 DG	
Ruby bead, 1 mm diameter	Meller Optics	# MRB10MD	
Safety Glasses 3M	Fisher	# 19-070-940	
Scanning laser ophthalmoscope	Heidelberg Engineering	HRA2	
Scissors, curved spring	Roboz	# RS-5681	
Sharps container	Fisher	# 1482763	
Shutter cord, remote	Nikon	MC-DC2	
Spectral Domain OCT device	Heidelberg Engineering	Spectralis HRA&OCT	https:// www.heidelbergengineering.com/ media/e-learning/Totara-US/files/ pdf-tutorials/2238-003_Spectralis- Training-Guide.pdf
Stainless steel ball bearing, 25.4 mm diameter	McMaster-Carr	# 9529K31	
Tissue marking dye, black	Cancer Diagnostics Inc	# 0727-1	
Tissue slicer blades	Thomas Scientific	# 6767C18	
Trephine, 18-mm diameter	Stratis Healthcare	# 6718L	
TV monitor (HDMI) and cord for digital camera	B&H Photo Video	BH # COHD18G6PROB	for live viewing and remote camera display features
Wax, pink dental	EMS	# 72670	
Wooden applicators	Puritan	# 807-12	