

Materials List for:

Optical Clearing of the Mouse Central Nervous System Using Passive CLARITY

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Materials

Name	Company	Catalog Number	Comments
10x phosphate buffered saline (PBS)	Fisher	BP399-1	buffers
32% paraformaldehyde (PFA)	Electron Microscopy Sciences	15714-5	perfusion and hydrogel
2,2'-thiodiethanol (TDE)	Sigma-Aldrich	166782-500G	refractive index matching solution
40% acrylamide	Bio-Rad	161-0140	hydrogel
2% bis-acrylamide	Bio-Rad	161-0142	hydrogel
VA-044 initiator	Wako Pure Chemical Industries, Ltd.	VA044	hydrogel
Boric acid	Sigma-Aldrich	B7901	clearing buffer
Sodium dodecyl sulfate (SDS)	Fisher	BP166-5	clearing buffer
Sodium hydroxide	Fisher	55255-1	buffers
Sodium azide	Sigma-Aldrich	52002-100G	preservative
Triton X-100	Sigma-Aldrich	X100-500G	buffers
Heparin	Sigma-Aldrich	H3393-50KU	perfusion
Sodium nitrate	Fisher	BP360-500	perfusion
DAPI	Molecular Probes	D1306	nuclear stain
99.9% isoflurane	Phoenix	57319-559-06	anesthetic
Hydrochloric acid	Fisher	A1445-500	buffers
Glass bottom dish	Willco	HBSB-5040	Willco dishes
Reusable adhesive	Bostick	371351	Blu-Tack
Silicon elastomer	World Precision Instruments	KWIK-CAST	Kwik-Cast
Lint-free wipe	Kimberly-Clark	34120	KimWipe
Mouse brain matrix	Roboz	SA-2175	sectioning tissue
Matrix blades	Roboz	RS-9887	sectioning tissue
Peristaltic pump	Cole-Parmer	77122-24	perfusion
Laser scanning confocal microscope	Leica	SP5	microscopy
Imaging software	Leica	LAS AF	microscopy