

Materials List for:

Novel Passive Clearing Methods for the Rapid Production of Optical Transparency in Whole CNS Tissue

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URL: <https://www.jove.com/video/57123>

DOI: [doi:10.3791/57123](https://doi.org/10.3791/57123)

Materials

Name	Company	Catalog Number	Comments
Sodium Dodecyl Sulfate (SDS)	Affymetrix, Inc.	75819	Clearing solution
Nycodenz	Axia-Shield	1002424	nRIMS solution
40% Acrylamide Solution	Bio Rad Laboratories, Inc.	161-0140	Polymerization (A4P0)
2,2'-Azobis[2-(2-imidazolin-2-yl)propane] Dihydrochloride	Wako Pure Chemical Industries, Ltd.	017-19362	Polymerization (VA-044)
1-Thioglycerol	Sigma-Aldrich	M1753-100ML	Clearing solution (mPACT)
Tween-20	Georgiachem	9005-64-5	nRIMS solution
Triton X-100	Sigma-Aldrich	T8787-50ML	Immuno Staining
Bovine serum albumin (BSA)	Bovogen	BSA100	Immuno Staining
Heparin	Merck Millipore	375095	Perfusion (PBS)
Sodium azide	Sigma-Aldrich	S2002-25G	nRIMS solution
PECAM-CD31 antibody	Santa Cruz Biotechnology Inc.	sc-28188	Immuno Staining
Goat anti-rabbit-IgG Cy3 fluorescent conjugate	Jackson ImmunoResearch Inc.	111-165-003	Immuno Staining
4% Paraformaldehyde	Tech & Innovation	BPP-9004	Perfusion, Polymerization
20X Phosphate Buffered Saline (pH 7.4)	Tech & Innovation	BPB-9121	Perfusion, Buffer
10 mL stripette	Coatar	4488	Solution transfer
50 mL tube	Falcon	352070	Clearing tube
35 mm Cell culture dish	SPL	20035	Imaging
Confocal dish	SPL	211350	Imaging
1 mL syringe	Korea vaccine Co., Ltd	26G 1/2	Anesthetize
50 mL syringe	Korea vaccine Co., Ltd	21G1 1/4	Perfusion
Acrylamide	Sigma-Aldrich	A3553	Polymerization (A4P0)
Whatman 3MM paper	Sigma-Aldrich	Z270849	Blotting paper for gel removal
Confocal microscope	Zeiss	LSM780	Imaging
ZEN lite Software	Zeiss	ZEN 2012	Imaging
Peristaltic pump	Longerpump	BT100-1F	Perfusion
EasyGel	Lifecanvas Technologies	EasyGel	Tissue gel hybridization system