

Materials List for:

Comprehensive Autopsy Program for Individuals with Multiple Sclerosis

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Materials

Name	Company	Catalog Number	Comments
Antibodies			
Biotinylated goat anti-mouse IgG	Vector Laboratories	BA-9200	1:500 dilution for hemispheric; 1:1000 for 30µm free-floating. RRID: AB_2336171
Biotinylated goat anti-rabbit IgG	Vector Laboratories	BA-1000	1:500 dilution.
Biotinylated goat anti-rat IgG	Vector Laboratories	BA-9400	1:500 dilution for hemispheric; 1:1000 for 30µm free-floating. RRID: AB_2336208
Glial fibrillary acid protein (GFAP)	Dako	Z0334	1:700 dilution for hemispheric. RRID: AB_10013382
HuR, mouse IgG, 3A2 clone	Santa Cruz	SC-5261	1:500 for 30µm free floating. RRID: AB_627770
Major histocompatibility complex (MHC) class II HLA-DR CR3/43	Dako	Mo746	1:250 dilution for hemispheric; 1:500 for 30µm free floating. RRID: AB_2313661
Non-phosphorylated neurofilament (SMI32)	Biolegend	801701	1:5000 dilution for hemispheric; 1:2500 for 30µm free-floating. RRID: AB_2564642
Phosphorylated neurofilament (SMI31)	Biolegend	801601	1:5000 dilution for hemispheric; 1:2500 for 30µm free-floating. RRID: AB_2564641
Proteolipid protein (PLP)	Gift from Wendy Macklin		1:250 dilution for IHC; alternative anti-PLP antibodies commercially available.
Reagents			
125 mm filter paper	Whatman	1452-125	For filtering PFA.
50% Glutaraldehyde	Electron Microscopy Sciences	16320	Electron microscopy grade.
Cytoseal	ThermoScientific	8310-16	
Ethylene glycol	Fisher Chemical	BP230-4	
Glycerol	Sigma-Aldrich	G7893	400mL/2L Cryoprotection solution.
Millex-HV Syringe Filter Unit, 0.45 µm, PVDF, 33 mm, gamma sterilized	Millipore-Sigma	SLHV033RB	
Paraformaldehyde	Electron Microscopy Sciences	19200	Prills form.
Polyvinylpyrrolidone (PVP-40)	Fisher Chemical	BP220-212	
Sodium azide	Fisher Chemical	S2271	2g/2L Sorenson's buffer.
Sodium phosphate dibasic	Sigma-Aldrich	S0876	98.8g/2L Sorenson's buffer.

Sodium phosphate mono basic monohydrate	Sigma-Aldrich	S9638	14.352g/2L Sorenson's buffer.
Sucrose	Sigma-Aldrich	PVP40-500G	
VectaStain ABC Kit	Vector Laboratories	PK-6100	1:1000 dilution of A and B. RRID: AB_2336819
Waterproof drawing black ink	Higgins	44201	
Xylene	Fisher Chemical	X3S	Histological grade.
<u>Equipment</u>			
3T MRI Magnetom Prisma	Siemens Healthineers		
7T MRI Agilent 830AS	Siemens Healthineers		