

Materials List for:

Enrichment of Detergent-insoluble Protein Aggregates from Human Postmortem Brain

Ian Diner¹, Tram Nguyen¹, Nicholas T. Seyfried¹

¹Department of Biochemistry, Emory School of Medicine

Correspondence to: Nicholas T. Seyfried at nseyfri@emory.edu

URL: <https://www.jove.com/video/55835>

DOI: [doi:10.3791/55835](https://doi.org/10.3791/55835)

Materials

Name	Company	Catalog Number	Comments
Protease and phosphatase inhibitor cocktail, EDTA-free (100X)	Thermo Fisher	78441	protease & phosphatase inhibitor cocktail
Sonic Dismembrator System (ultrasonicator)	Fisher Scientific	FB505110	microtip ultrasonicator
Optimax TLX Ultracentrifuge	Beckman Coulter	361545	refrigerated ultracentrifuge
TLA120.1 rotor	Beckman Coulter	362224	ultracentrifuge rotor
500 ul (8 x 34 mm) polycarbonate tubes, thickwall	Beckman Coulter	343776	ultracentrifuge tubes for TLA120.1 rotor
4X SDS sample buffer	Home-made	N/A	SDS-PAGE
TCEP solution, neutral pH	Thermo Fisher	77720	reducing agent
(TBS) blocking buffer	Thermo Fisher	37542	blocking buffer
(TBS) blocking buffer + 0.05% Tween 20	Thermo Fisher	37543	blocking buffer and antibody diluent
4-12% Bolt Bis-Tris Plus gels, 10-well	Thermo Fisher	NW04120BOX	precast SDS-PAGE gels
MES SDS Running Buffer (20X)	Thermo Fisher	B0002	SDS-PAGE running buffer
N-Lauroylsarcosine sodium salt (sarkosyl)	Sigma Aldrich	L5777-50G	detergent
Anti-Tau-2 (pan tau) antibody	Chemicon	MAB375	antibodies
Anti-phospho-threonine 231 Tau antibody	Millipore	MAB5450	antibodies
Anti-phospho-seroine 202 and threonine 205 Tau antibody (AT8)	Thermo Fisher	MN1020	antibodies
Anti-early endosome antigen 1 (EEA1) antibody	abcam	ab2900	antibodies
Alexa Fluor 680 goat anti-mouse IgG (H+L) secondary antibody	Thermo Fisher	A21058	antibodies
Alexa Fluor 790 donkey anti-rabbit IgG (H+L) secondary antibody	Thermo Fisher	A11374	antibodies
iBlot2 Dry Blotting System	Thermo Fisher	IB21001	Gel transfer
iBlot2 Transfer Stacks, Nitrocellulose, mini	Thermo Fisher	IB23002	Gel transfer