

Materials List for:

Isolation of Soluble and Insoluble PrP Oligomers in the Normal Human Brain

Xiangzhu Xiao¹, Jue Yuan¹, Wen-Quan Zou^{1,2}

¹Department of Pathology, National Prion Disease Pathology Surveillance Center, Case Western Reserve University School of Medicine

²Department of Neurology, National Prion Disease Pathology Surveillance Center, Case Western Reserve University School of Medicine

Correspondence to: Wen-Quan Zou at Wenquan.zou@case.edu

URL: <https://www.jove.com/video/3788>

DOI: [doi:10.3791/3788](https://doi.org/10.3791/3788)

Materials

Name	Company	Catalog Number	Comments
Phenylmethylsulfonyl fluoride	Sigma-Aldrich	P7626	72 mM in 2-propanol
Proteinase K	Sigma-Aldrich	P2308	2 mg/ml in H ₂ O
PNGase F	New England Biolabs	MWGF200	
Ultracentrifuge LE-80K, SW55 rotor	Beckman Coulter	Part No. 365668, 356860	
Superdex 200 HR beads	GE Healthcare	17-1088-01	
AKTA FPLC system	GE Healthcare	18-1900-26	
Molecular weight markers	Sigma-Aldrich	MWGF200	Varied
Dynabeads M-280 magnetic beads	Invitrogen	143-01	
3F4 antibody	Covance	SIG-39600	
1E4 antibody	Cell Sciences	M1840	
Ready gel 15% Tris-HCl pre-cast gels	Bio-Rad	345-0020	