

Materials List for:

Sensitive Detection of Proteopathic Seeding Activity with FRET Flow Cytometry

Jennifer L. Furman^{*1}, Brandon B. Holmes^{*1}, Marc I. Diamond¹

¹Center for Alzheimer's and Neurodegenerative Diseases, University of Texas Southwestern Medical Center

*These authors contributed equally

Correspondence to: Jennifer L. Furman at Jennifer.Furman@utsouthwestern.edu

URL: <https://www.jove.com/video/53205>

DOI: [doi:10.3791/53205](https://doi.org/10.3791/53205)

Materials

Name	Company	Catalog Number	Comments
TBS	Sigma	T5912	
cOmplete Protease Inhibitors (EDTA-free)	Roche	4693159001	
Cryo-vials	Sarstedt	72.694.006	
Analytical Balance	Mettler Toledo	XSE 105DU	
Weighing Boats	Fisher Scientific	13-735-743	
15 ml conical tube	USA Scientific	1475-0501	
Omni Sonic Ruptor Ultrasonic Homogenizer	Omni International	18-000-115	
Micro-Tip for Ultrasonic Homogenizer	Omni International	OR-T-156	
2-Propanol	Fisher Scientific	A451	
Noise Cancelling Ear Muffs	Fisher Scientific	19-145-412	
Kimwipes	Fisher Scientific	S47299	
1.5 ml tubes	USA Scientific	1615-5510	
Microcentrifuge	Eppendorf	5424 000.215	
DPBS	Life Technologies	14190-136	
DMEM	Life Technologies	11965-084	
Fetal Bovine Serum	HyClone	SH30071.03	
Penicillin-Streptomycin	Life Technologies	15140-122	
GlutaMax	Life Technologies	35050-061	
Trypsin-EDTA	Life Technologies	25300-054	
50 ml Conical Tubes	Phenix Research	SS-PH15	
25 ml reagent resevoirs	VWR	41428-954	
Multi channel pipet	Fisher Scientific	TI13-690-049	
96 well flat bottom plates	Corning	3603	
Opti-MEM	Life Technologies	31985-070	
Lipofectamine 2000	Invitrogen	11668019	
96 well round bottom plates	Corning	3788	
16% Paraformaldehyde	Electron Microscopy Sciences	RT 15710	
PBS	Sigma-Aldrich	P5493	
EDTA	Sigma-Aldrich	ED2SS	
HBSS	Life Technologies	14185-052	
Sorvall ST 40 Centrifuge	Thermo Scientific	75004509	

BIOLiner Swinging Bucket Rotor	Thermo Scientific	75003796	
Hemocytometer	VWR	15170-172	
MACSQuant VYB Flow Cytomter	Miltenyi Biotec	130-096-116	
Chill 96 Rack	Miltenyi Biotec	130-094-459	
Flow Jo analysis software	Flow Jo		
20 µl pipet tips	Rainin	GPS-L10	
200 µl pipet tips	Rainin	GPS-250	
1 ml pipet tips	Rainin	GPS-1000	
200 µl pipet tips	USA Scientific	1111-1800	
5 ml serological pipett	Phenix Research	SPG-606180	
10 ml serological pipett	Phenix Research	SPG-607180	
25 ml Serological pipett	Phenix Research	SPG-760180	