

Materials List for:

An In Vitro Model for Studying Tau Aggregation Using Lentiviral-mediated Transduction of Human Neurons

Brent Aulston¹, Qing Liu¹, Patrick Reilly¹, Shauna H. Yuan¹

¹Department of Neurosciences, University of California, San Diego

Correspondence to: Shauna H. Yuan at shyuan@ucsd.edu

URL: <https://www.jove.com/video/59433>

DOI: [doi:10.3791/59433](https://doi.org/10.3791/59433)

Materials

Name	Company	Catalog Number	Comments
10 cm culture dishes	Thermofisher	12556002	
15 mL tubes	Biopioneer	CNT-15	
16% paraformaldehyde	Thermofisher	50-980-487	
24 well culture plates	Thermofisher	930186	
50 mL tubes	Biopioneer	CNT-50	
70% ethanol in spray bottle	Various sources	NA	
B27 supplement	Thermofisher	17504044	
Basement membrane matrix (Matrigel)	Corning	356231	
Basic FGF	Biopioneer	HRP-0011	
Bovine serum albumin	Sigma	A7906	
Cell culture incubator	Various sources	NA	
Centrifuge	Various sources	NA	
DMEM-F12 culture media with glutamine	Thermofisher	10565042	
Ethanol (50% concentration or higher)	Various sources	NA	
Flourescently labeled secondary antibodies	Various Sources, experiment dependent	NA	
Fluorescent microscope	Various sources	NA	
Glass coverslips	Thermofisher	1254581	
Glass slides	Thermofisher	12-550-15	
Human neural stem cells	Various sources	NA	
Lentiviral vectors	Various sources	custom order	
Mounting media	Thermofisher	P36934	
N2 supplement	Thermofisher	17502048	
Penicillin-Streptomycin	Thermofisher	15140122	
Phosphate buffered saline	Thermofisher	14190250	
Primary antibodies	Various Sources, experiment dependent	NA	
Rocking or rotating platform	Various sources	NA	
Sterile cell culture hood	Various sources	NA	
Thioflavin S	Sigma	T1892-25G	
Triton X-100	Thermofisher	BP151-100	
Water bath	Various sources	NA	