

Materials List for:

Exogenous Administration of Microsomes-associated Alpha-synuclein Aggregates to Primary Neurons As a Powerful Cell Model of Fibrils Formation

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Materials

Name	Company	Catalog Number	Comments
Sucrose	Sigma-Aldrich	84097-1KG	
Hepes	Sigma-Aldrich	H0887-100ML	1M pH=7-7.6
EDTA	Sigma-Aldrich	0390-100ml	pH=8 0.5M
MgCl ₂	Sigma-Aldrich	M8266-100G	
NaCO ₃	Sigma-Aldrich	S7795-500G	
NAHCO ₃	Sigma-Aldrich	S5761-500G	
Methanol	Sigma-Aldrich	322415-6X1L	
KCl	Sigma-Aldrich	P9541-500G	
cOmplete Mini	Roche	11836170001	protease inhibitor
PhosStop	Roche	4906837001	phosphatase inhibitor
BCA Protein Assay Kit	Euroclone	EMPO14500	
Criterion TGX 4-20% Stain Free, 18 wells	Biorad	5678094	
Supported Nitrocellulose membrane	Biorad	1620097	0.2 µm
Blotting-Grade Blocker	Biorad	1706404	Non-fat dry milk
SuperSignal West Pico Chemiluminescent Substrate	Termo Fisher Scientific	34077	
Nitric acid	Sigma-Aldrich	1004411000	65%
Glass Coverslips	Termo Fisher Scientific	1014355118NR1	18 mm x
Poly-D-Lysine	Sigma-Aldrich	P7280	
Hank's Balanced Salt Solution	Termo Fisher Scientific	14170-500 mL	
Penicillin/Streptomycin	Termo Fisher Scientific	15140122	10,000 U/mL, 100 mL
Dulbecco's Modified Eagle's Medium	Termo Fisher Scientific	D5796-500 mL	
Trypsin-EDTA	Termo Fisher Scientific	15400054	0.50%
B27 Supplement	Termo Fisher Scientific	17504044	50X
Glutamax	Termo Fisher Scientific	35050-038	100x
DNase	Sigma-Aldrich	D5025	
Fetal bovine serum	Euroclone	EC50182L	
Glutamate	Sigma-Aldrich	1446600-1G	
Gentamicin	Termo Fisher Scientific	15710	10 mg/ml
Neurobasal Medium	Termo Fisher Scientific	10888-022	
Cytosine arabinoside (AraC)	Sigma-Aldrich	C3350000	

VECTASHIELD antifade mounting medium	Vector Laboratories	H-1000	
DAPI	Termo Fisher Scientific	62247	
90 Ti rotor	Beckman	N/A	Ultracentrifuge rotor
Optima L-90K Ultracentrifuge	Beckman	N/A	
Syn-1 antibody, clone 42	BD Biosciences	610786	anti-mouse WB: 1:5000
Syn303 antibody	BioLegend	824301	anti-mouse IF: 1:1000
Tau antibody	Synaptic Systems	314 002	anti-rabbit IF: 1:10,000
pser129- α S antibody	A gift from Fujiwara et al, reference 19		anti-rabbit WB: 1:5000
pser129- α S antibody	Abcam	ab51253	anti-rabbit IF: 1:1000
Mouse α S (D37A6) XP	Cell Signaling	4179	anti-rabbit IF 1:200
Alexa fluor 555-conjugated anti-rabbit antibody	Termo Fisher Scientific	A27039	
Alexa fluor 488-conjugated anti-mouse antibody	Termo Fisher Scientific	A-11029	
Microson XL-2000	Misonix		Sonicator
Ultra Bottles (Oakridge Bottles), PCB, 16x76mm, Assembly, Noryl Cap, Beckman-type	Science Service EU	S4484	Ultracentrifuge tubes
AXIO Observer Inverted Light Microscope	Zeiss	N/A	
TCS SP2 laser scanning confocal microscope	Leica	N/A	
Inverted epi-fluorescence microscope	Nikon	N/A	
Triton x-100	Sigma-Aldrich	X100-500ML	Nonionic surfactant