

Materials List for

Detection of Protein Aggregation using Fluorescence Correlation Spectroscopy

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jove.com/video/62576

Materials

Name	Company	Catalog Number	Comments
0.25% (w/v) Trypsin-1 mmol/L EDTA-4Na Solution with Phenol Red (Trypsin-EDTA)	Fujifilm Wako Pure Chemical Corp.	201-16945	
100-mm plastic dishes	CORNING	430167	
35-mm glass base dish	IWAKI	3910-035	For live cell measurement
35-mm plastic dishes	Thermo Fisher Scientific	150460	
Aluminum plate	Bio-Bik	AB-TC1	
C-Apochromat 40x/1.2NA Korr. UV-VIS-IR M27	Carl Zeiss		Objective
Cell scraper	Sumitomo Bakelite Co., Ltd.	MS-93100	
Cellulose acetate filter membrane (0.22 mm)	Advantech Toyo	25CS020AS	
Cover glass chamber 8-wells	IWAKI	5232-008	For solution measurement
Dulbecco's Modified Eagle's Medium (DMEM)	Sigma-Aldrich	D5796	basal medium
Fetal bovine serum (FBS)	biosera		Lot check required
Lipofectamine 2000	Thermo Fisher Scientific	11668019	
LSM510 META + ConfoCor3	Carl Zeiss		FCS system
Murine neuroblastoma Neuro2a cells	ATCC	CCL-131	Cell line
Opti-MEM I	Thermo Fisher Scientific	31985070	
pCAGGS	RIKEN	RDB08938	Plasmid DNA for the transfection carrier
Penicillin-Streptomycin Solution (×100)	Fujifilm Wako Pure Chemical Corp.	168-23191	
pmeGFP-C1-TDP25			Plasmid DNA for TDP25 tagged with monomeric eGFP
pmeGFP-N1			Plasmid DNA for eGFP monomer expression
pmeGFP-N1-SOD1-G85R			Plasmid DNA for ALS-linked G85R mutant of SOD1 tagged with monomeric eGFP

Protease inhibitor cocktail	Sigma-Aldrich	P8304	
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