

Materials List for:

Novel Atomic Force Microscopy Based Biopanning for Isolation of Morphology Specific Reagents against TDP-43 Variants in Amyotrophic Lateral Sclerosis

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URL: <https://www.jove.com/video/52584>

DOI: [doi:10.3791/52584](https://doi.org/10.3791/52584)

Materials

Name	Company	Catalog Number	Comments
Tomlinson I and J Libraries	MRC (Cambridge, England)		
Sheets Library	MRC (Cambridge, England)		
2xYT	BD Sciences	244020	
Glucose	Amresco	0188-2.5KG	
Ampicillin	Amresco	0339-25G	Irritant
KM13 Helper Phage	MRC (Cambridge, England)		
Kanamycin	OmniPur	5880	Irritant
Polyethylene Glycol 8000	OmniPur	6510	Irritant
Sodium Chloride	Macron	7647-14-5	
Sodium Phosphate Dibasic	Amresco	0404-1KG	Irritant
Potassium Chloride	EMD	PX1405-1	Irritant
Potassium Phosphate Monobasic	Amresco	0781-500G	Irritant
TG1 Cells	MRC (Cambridge, England)		
Luria-Bertani Agar	EMD	1.10283.0500	
Bovine Serum Albumin	Amresco	0332-100G	
STEN buffer	Crystalgen Inc.	33429775	
Immunotubes	Thermo Scientific	470319	
Mica	Spruce Pine Mica	24365	
Tween 20	EMD		
Trypsin	Sigma	T-0303	Irritant
Triethylamine	Sigma	T-0886	Flammable
Glycerol	Amresco	0854-1L	Irritant
DNA Plasmid Prep Kit	qiagen	27106	Irritant
Non-Fat Milk Powder	Carnation		
96-Well High Binding ELISA Plate	Costar	3590	
Anti-M13 HRP	GE Healthcare Life Sciences	27-9421-01	
ELISA Femto Chemiluminescence Substrate Kit	Thermo Scientific	37074	
Anti-TDP 43 Polyclonal Antibody	ProteinTech	10782-2-AP	
A/G Agarose Beads	Santa Cruz Biotechnology	sc-2003	
HB 2151 Cells	MRC (Cambridge, England)		

Isopropylthiogalactoside	Teknova	13325	
9e10 HRP	Santa Cruz Biotechnology	sc-40	
Nitrocellulose Membrane	Biorad	162-0115	Flammable
Centrifuge	Thermo Scientific	Sorvall RC 6+	
Nanoscope IIIa Atomic Force Microscope	Veeco		
AFM Probes	VistaProbes	T300R-10	