

Materials List for:

Modeling Charcot-Marie-Tooth Disease *In Vitro* by Transfecting Mouse Primary Motoneurons

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URL: <https://www.jove.com/video/57988>

DOI: [doi:10.3791/57988](https://doi.org/10.3791/57988)

Materials

Name	Company	Catalog Number	Comments
Material			
Silicone dissection dish	Living systems instrumentation	DD-90-S-BLK-3PK	Sylgard
round coverslip	NeuVibro, Knittel glass	GG-12-Pre	12 mm
Slide a Lyzer cassettes	ThermoFisher Scientific	66030	20,000 MWCO ; 30 mL
Filter unit	Millipore	SCGVU02RE	
GP Sterile Syringe Filters	Millipore	SLGP033RS	
4 well plate	ThermoFisher Scientific	167063	Nunc Delta treated plate
forceps	FST by Dumont	11252-20	#5 forceps
scissor	FST by Dumont	14060-10	fine scissors
scalpel	FST by Dumont	10035-20	curved blade
scalpel	FST by Dumont	10316-14	micro-knife scalpel
Petri dish	Greiner	663102	ø x h = 100 x 15 mm
15 mL polypropylene tube	Falcon	352096	
filter paper	Watman	1001125	circle, 125 mm diameter
glass chamber slide	Lab-Tek	154526	4 chambers
Plasmid pCAGEN	Addgene	#11160	
Solutions and mediums			
Bovine serum albumin	Sigma-Aldrich	A9418	
L-15 medium	ThermoFisher Scientific	11415056	
L-15 medium, no red phenol	ThermoFisher Scientific	21083027	
Insulin	Sigma-Aldrich	I6634	
Putrescine	Sigma-Aldrich	P5780	
Conalbumin	Sigma-Aldrich	C7786	
Sodium selenite	Sigma-Aldrich	S5261	
Progesterone	Sigma-Aldrich	P8783	
Poly-DL-Ornithine	Sigma-Aldrich	P8638	
Laminin	Sigma-Aldrich	L2020	
trypsin 2.5%, 10x	ThermoFisher Scientific	15090046	
DNase	Sigma-Aldrich	DN25	
PBS w/o Ca Mg	ThermoFisher Scientific	14190144	without Mg ²⁺ Ca ²⁺
sodium bicarbonate	ThermoFisher Scientific	25080094	

Neuron cell culture medium	ThermoFisher Scientific	A3582901	Neurobasal Plus medium
HBSS	Sigma-Aldrich	H6648-500ML	
HEPES buffer 1 M	ThermoFisher Scientific	15630056	
Density gradient medium	Sigma-Aldrich	D1556	Optiprep
supplement medium	ThermoFisher Scientific	A3582801	B-27 Plus
Horse serum heat inactivated	ThermoFisher Scientific	26050-088	
L-Glutamine 200 mM	ThermoFisher Scientific	25030024	
2-mercaptoethanol	ThermoFisher Scientific	31350010	
penicilline/streptomycine	ThermoFisher Scientific	15140122	10,000 U/mL
Name	Company	Catalog Number	Comments
Immuno fluorescence			
PBS, 10x	ThermoFisher Scientific	X0515	without Mg ²⁺ Ca ²⁺
Paraformaldehyde (PFA)	Sigma-Aldrich	441244	
normal goat serum	Sigma-Aldrich	G6767	
glycine	Sigma-Aldrich	G7126	
Triton X-100	Sigma-Aldrich	T8787	
Choline Acetyl Transferase (CHAT)	Chemicon	Ab144P	
Neurofilament H non phosphorylated (SMI32)	Biologends	SMI-32P	IF at 1/1000
Islet-1	DSHB	40.2D6	
Islet-2	DSHB	39.4D5	
Hb9	DSHB	81.5C10	
Vectashield mounting medium	Vector Lab	H-1000	
Beta3 tubulin (Tuj1 clone)	Biologends	801201	IF at 1/1000
Lc3b	Cell Signaling Technology	#2775	IF at 1/200