

Materials List for:

Spinal Cord Neurons Isolation and Culture from Neonatal Mice

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URL: <https://www.jove.com/video/55856>

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Materials

Name	Company	Catalog Number	Comments
Hibernate A Medium - 500 mL	Thermo-Fisher	A1247501	https://www.thermofisher.com/order/catalog/product/A1247501
Hibernate A Minus Calcium - 500 mL	Brainbits	HA-Ca	http://www.brainbitsllc.com/hibernate-a-minus-calcium/
Glutamax 100X - 100 mL	Thermo-Fisher	35050061	https://www.thermofisher.com/order/catalog/product/35050079
B27 Supplement 50X - 10 mL	Thermo-Fisher	17504044	https://www.thermofisher.com/order/catalog/product/17504044
Papain, Lyophilized - 100 mg	Worthington	LS003119	http://www.worthington-biochem.com/pap/cat.html
Neurobasal A Medium - 500 mL	Thermo-Fisher	10888022	https://www.thermofisher.com/order/catalog/product/10888022
Penicillin-Streptomycin (10,000 U/ mL)	Thermo-Fisher	15140122	https://www.thermofisher.com/order/catalog/product/15140122
Poly-D-Lysine (PDL) hydrobromide - 5 mg	Sigma-Aldrich	P6407-5MG	http://www.sigmaaldrich.com/catalog/product/sigma/p6407?lang=en&region=US
Mouse Laminin - 1 mg	Thermo-Fisher	23017015	https://www.thermofisher.com/order/catalog/product/23017015
Trypan Blue - 20 mL	Sigma-Aldrich	T8154-20ML	http://www.sigmaaldrich.com/catalog/product/sigma/t8154?lang=en&region=US
OptiPrep Density Gradient Medium - 250 mL	Sigma-Aldrich	D1556-250ML	http://www.sigmaaldrich.com/catalog/product/sigma/d1556?lang=en&region=US
Dichlorodimethylsilane (DMDCS, Sigma Silicoat)	Sigma-Aldrich	440272-100ML	http://www.sigmaaldrich.com/catalog/product/aldrich/440272?lang=en&region=US
Chloroform	Sigma-Aldrich	288306-1L	http://www.sigmaaldrich.com/catalog/product/sial/288306?lang=en&region=US
Glass Pipette - 9"	Sigma-Aldrich	13-678-20C	http://www.sigmaaldrich.com/catalog/product/sigma/cls7095d9?lang=en&region=US
Pipette bulb - 5 mL	Sigma-Aldrich	Z186678-3EA	http://www.sigmaaldrich.com/catalog/product/aldrich/z186678?lang=en&region=US&cm_sp=Insite-_prodRecCold_xviews-_prodRecCold10-1
BRAND® Petri dish, glass - 60 x 15 mm	Sigma-Aldrich	BR455717-10EA	http://www.sigmaaldrich.com/catalog/product/aldrich/br455717?lang=en&region=US
Sterile 24-Well Cell Culture Plate	Sigma-Aldrich	M8812-100EA	http://www.sigmaaldrich.com/catalog/product/sigma/m8812?lang=en&region=US

Hausser Hemacytometer (glass counting chamber)	Fischer Scientific	02-671-6	https://www.fishersci.com/shop/products/hausser-bright-line-phase-hemacytometer-hemacytometer/026716
Glass Slides - 12 mm sterile cover glass - uncoated	Neuvitro	GG-12-1.5-Pre	http://www.neuvitro.com/german-coverslip-12mm-diameter.htm
NeuN Rabbit Monoclonal Antibody - 100 μ L	Abcam	ab177487	After fixing in paraformaldehyde (PFA) and blocking with 5% BSA, cells on a 12 mm coverslip were incubated in the antibody diluted 1:200 for 18 h in 4 °C
MAP-2 Mouse Monoclonal Antibody - 50 μ L	Abcam	ab11267	After fixing in paraformaldehyde and blocking with 5% BSA, cells on a 12 mm coverslip were incubated in the antibody diluted 1:500 for 18 h in 4 °C