

Materials List for:

# Fabrication of a Microfluidic Device for the Compartmentalization of Neuron Soma and Axons

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URL: <https://www.jove.com/video/261>

DOI: [doi:10.3791/261](https://doi.org/10.3791/261)

## Materials

Name	Type	Company	Catalog Number	Comments
PDMS	Reagent	Dow Corning		Sylgard 184 with curing agent Please consult Dow Corning to find a vendor near you
Plasam Cleaner	Tool	Harrick Scientific Products, Inc.		<a href="http://www.harrickplasma.com/">http://www.harrickplasma.com/</a>
Neural Basal Media	Reagent	Invitrogen	21103-049	Neural Basal Media is obtained by Invitrogen under their Gibco line of cell culture reagents.
B27	Reagent	Invitrogen	17504-044	B27 is a proprietary supplement available through Invitrogen under their Gibco line of cell culture reagents.
Glutamax	Reagent	Invitrogen	35050-061	Glutamax is available through Invitrogen under their Gibco line of cell culture reagents.
Cornig No. 1 Cover Glass	cover glass	Corning	Corning No. X2935 244	Available through Fisher Scientific, Fish Catalog number 12-531D
60 mm Petri Dish	Tool	Fisher Scientific	08-757-13A	60 mm polystyrene sterile petri dishes are used to house the device bound to glass.
BD Falcon 50 ml Tube	Tool	BD Biosciences	Falcon No. 352098	Available through Fisher Scientific catalog number 14-959-49A
BD Falcon 15 ml tube	Tool	BD Biosciences	Falcon No. 352097	Available through Fisher Scientific catalog number 14-959-70C
Poly-L-Lysine	Reagent	Sigma-Aldrich	P-1274	
New Item				