

Materials List for:

Mechanical Manipulation of Neurons to Control Axonal Development

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Materials

Name	Company	Catalog Number	Comments
R-6 cap. Tube	Drummond Scientific	9-000-3111	R-6 glass OD 0.9mm, ID 0.6 mm, 8"
BB-CH puller	Mecanex S.A., Geneva, Switzerland	BB-CH puller	Use Mode 4 Alt by CP=100, PP=10, SP1=1000, SP2=1000
0.001" Chromel wire	Omega Engineering, Inc.	SPCH-001-50	unsheathed, thermocouple wire, 50ft spool now called Chromega
0.003" Constantan wire	Omega Engineering, Inc.	SPCI-003-50	unsheathed, thermocouple wire, 50 ft spool
fine forceps	Fine Science Tools	91150-20	Dumont Inox #5
universal microscope boom stand	Nikon Instruments	76135 or 90430	most brands or types of boom stand will work for this use
mechanical micromanipulator	Narishige International	M-152	three-axis direct-drive coarse micromanipulator
hydraulic micromanipulator	Narishige International	MO-203	now available as MMO-203, three movable axis type
needle holder	Leica Microsystems	11520145	set of 3
single instrument holder	Leica Microsystems	11520142	
double instrument holder	Leica Microsystems	11520143	
mechanical micromanipulator	Leica Microsystems	39430001	post mount, 1 prob holder, RH Model 430001
joystick mech. micromanipulator	Leica Microsystems	11520137	
Leica DM IRB	Leica Microsystems		inverted microscope
Vibraplane isolation table	Kinetic Systems	1200 series	ours is model 1201-02-12
Ringcubator	Home made (see reference 19)		reference 19, requires updated controller listed below
programmable temperature controller	Instrumart.com	Fuji Electric PXR3	replaces the retired PXV3 temperature controller
Nikon Diaphot TMD	Nikon Instruments		inverted microscope, circa 1980
Nikon SMZ-10 binocular dissecting	Nikon Instruments		other dissecting microscopes will work