

Materials List for:

Scalable Fluidic Injector Arrays for Viral Targeting of Intact 3-D Brain Circuits

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Materials

Name	Type	Company	Catalog Number	Comments
Dremel Tool	Tool	Dremel	3956-02	
Laser Cutter	Tool	Universal Laser Systems	VLS2.30	
Hot glue gun	Tool	Stanley Bostitch	GR20	
Injection/withdrawal syringe pump (Hamilton pump)	Tool	Harvard Apparatus	702001	
10 µl Hamilton syringes	Tool	Hamilton Co	701N	Need one per injection site
Mouse stereotax	Tool	Stoelting Co.	51725D	
Modela mini-mill	Tool	Roland	MDX-15	
0.011" diameter drill bit for mini mill	Tool	McMaster-Carr	8915A12	
1/32" diameter drill bit For mini-mill	Tool	McMaster-Carr	8848A35	
High speed dental drill	Tool	Lynx	333	
Dental drill accessories	Tool	Pearson Assessments	F 35-08-25 F 35-07-10 P 86-02-38	
1.5mm outer diameter (OD) stainless steel cannula	Material	Small Parts, Inc.	HTX-15R	
1-72 binding slotted machine screw	Material	Small Parts, Inc.	MX-0172B	
1-72 hex nut	Material	Small Parts, Inc.	HNX-0172	
PCB proto-board, 1/32" thick	Material	Digi-Key	PC57-T-ND	
Acrylic Sheet, 1/8" thick	Material	McMaster-Carr	8560K239	
HPLC connectors	Material	Upchurch Scientific	F-252, P-627, P-200, P-235, F-240 (some of these can be bought in 10-packs; simply add an 'x' to the end of the part number)	Need one per injection per site, except F-252, P-627, and P-235, which can be reused
Fused silica capillary tubing, OD: 245 µm, ID: 100 µm	Material	Polymicro Technologies	2000022-10M	
5-minute general purpose epoxy	Material	Permatex	84101	5-minute general purpose epoxy
Polyethylene tubing .066 x .095 inch	Material	VWR international	63018-827	