

Materials List for:

Rodent Brain Microinjection to Study Molecular Substrates of Motivated Behavior

Ryan S. Poland¹, Cecilia Bull¹, Wahab A. Syed¹, M. Scott Bowers^{1,2}

¹Virginia Institute for Psychiatric and Behavioral Genetics, Department of Psychiatry, Virginia Commonwealth University School of Medicine

²Institute for Drug and Alcohol Studies, Departments of Psychiatry, Pharmacology, and Neuroscience, Virginia Commonwealth University School of Medicine

Correspondence to: M. Scott Bowers at C17H21N.4@gmail.com

URL: <https://www.jove.com/video/53018>

DOI: [doi:10.3791/53018](https://doi.org/10.3791/53018)

Materials

Name	Company	Catalog Number	Comments
Cannula Tubing	Amazon Supply/ Small Parts	HTXX-26T-60	26 G, Hypotube S/S 316-TW 26GA
Obturator	Amazon Supply/ Small Parts	GWXX-0080-30-05	33 gauge, Wire S/S 316LVM 0.008 IN
Microinjector Wire	MicroGroup	33RW 304	33 gauge
Super Glue	Loctite	3924AC	Liquid, Non-gel, can be autoclaved
Microinjector Plastic Tubing	Becton Dickson	427406	PE20
Medium Weight Hemostats	World Precision Instruments	501241-G	
Ruler	Fisher	09-016	150 mm
#7 Forceps	Stoelting	52100-77	Dumont, Dumostar
Rotary Tool	Dremmel	285	Two-speeds
Cut-off Disc	McMaster Carr	3602	15/16" x 0.025"
Microinjection Pump	Harvard Apparatus	PhD 2000	
1 ul Glass Syringe	Hamilton	7001KH	Needle Style: 25s/2.75"/3
Cotton Tipped Applicator	Fisher	23-400-101	
Lab Wipes	Kimwipes	34133	
Operant Software	Coulbourn	Graphic State	
Operant Chambers	Coulbourn	Habitest	