

Materials List for:

A Protocol for Measuring Cue Reactivity in a Rat Model of Cocaine Use Disorder

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Materials

Name	Company	Catalog Number	Comments
Equipment			
Catheter Tubing: 0.50mm ID x 0.94mm OD x 0.2mm width	Fisher Scientific, Hampton, NH, USA	11-189-15A	1/experiment
Cue Light	Med Associates Inc., St. Albans, VT, USA	ENV-229M	2/operant chamber
Guide Cannulae (22 gauge, pedestal size-8mm, cut length 11 mm, 5 mm above the pedestal)	Plastics One, Roanoke, VA, USA	8IC313G5UPXC	1/rat
House Light	Med Associates Inc., St. Albans, VT, USA	ENV-227M	1/operant chamber
Infusion Pump	Med Associates Inc., St. Albans, VT, USA	PHM-100	1/operant chamber
Lever	Med Associates Inc., St. Albans, VT, USA	ENV-110M	2/operant chamber
Liquid Swivels	Instech, Plymouth Meeting, PA, USA	375/22	1/operant chamber
MED-PC Package with Infusion Pump Software	Med Associates Inc., St. Albans, VT, USA	SOF-735 (infusions software SOF-700RA-10 version 1.04)	1
Metal Spring Leash	Plastics One, Roanoke, VA, USA	C313CS/SPC	1/operant chamber
Needle (23g, 1 in)	Becton Dickinson, Franklin Lakes, NJ, USA	305193	1/operant chamber
Nitex Mesh (6/6 woven mesh sheet, 12"x12", 500 microns thick, 38% Open Area)	Amazon, Seattle, WA, USA	CMN-0500-C, B000FMUNE6	~1 sheet/100 rats
PCI Interface Package	Med Associates Inc., St. Albans, VT, USA	DIG-700P2-R2, MED-SYST-16	1/16 operant chambers
Power Supply for Interface Modules	Med Associates Inc., St. Albans, VT, USA	SG-6510D	1/16 operant chambers
Sound-attenuating Cubicle	Med Associates Inc., St. Albans, VT, USA	ENV-018V	1/operant chamber
Syringes, 10 mL Luer-Lok™ tip	Fisher Scientific, Hampton, NH, USA	14-827-52	1 case/experiment (1/operant chamber)

Tygon Tubing for flushes: 0.51mmID x 1.52mm OD 0.51mm width x 152.4m length	Fisher Scientific, Hampton, NH, USA	14-170-15B	1/experiment
Chemicals			
Acepromazine (10mg/mL)	Henry Schein (Animal Health), Melville, NY, USA	003845	~0.5mg/rat*
Acraweld Repair Resin	Henry Schein (Dental), Melville, NY, USA	1013959	1/experiment
Altalube (ophthalmic ointment)	Henry Schein (Dental), Melville, NY, USA	6050059	1/experiment
Cocaine	NIDA North Bethesda, MD, USA	N/A	~350mgs/rat for whole experiment*; requires DEA License
Heparin (10,000 USP units/10 mL)	Sagent Pharmaceuticals, Schaumburg, IL, USA	NDC 25021-400-10	1/experiment (~21 units/rat*)
Jet Liquid	Henry Schein (Dental), Melville, NY, USA	1256401	1/experiment
Ketamine (100mg/mL, 10mL)	Henry Schein (Dental), Melville, NY, USA	1049007	~15mg/rat*; requieres DEA license
Methohexital Sodium (Brevital®, 500 mg/50 mL)	Patterson Dental, Saint Paul, MN, USA	043-5461	1/experiment; requires DEA License
Saline (0.9%, USP)	Baxter, Deerfield, IL, USA	2B1307	1 case/experiment
Streptokinase from β -hemolytic Streptococcus (Lancefield Group C) $\geq 3,000$ units/mg	Sigma Aldrich, St. Louis, MO, USA	S3134-250KU	1 vial/experiment (~1.5mg/rat/ experiment*)
Ticarcillin Disodium Salt	Fisher Scientific, Hampton, NH, USA	50-213-695	~4 vials/exeriment or purchase the 25g vial cat.# 50-489-093 (~150mg/rat/experiment*)
Xylazine (100mg/mL)	Henry Schein (Animal Health), Melville, NY, USA	033198	~3mg/rat*
*Assumes rat age is that described in the protocol, rats self-administer for 14 days, and flushes occur for 21 days.			