

Materials List for:

Stereotaxic Surgery for Genetic Manipulation in Striatal Cells of Neonatal Mouse Brains

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Materials

Name	Company	Catalog Number	Comments
30G PrecisionGlide Needle	Becton Dickinson	REF 305106	
Chloroform	JT Baker	9180-03	
Hamilton MICROLITER Syringe	Hamilton	80300	30G needle fit for PE10 tube; 26G needle needs a PE20 adaptor
Polyethylene tubing PE20	Becton Dickinson	427406	
Polyethylene tubing PE10	Becton Dickinson	427401	
Micro Flow Rate Syringe Pump	Longer Precision Pump Co.	TJ-2A (Controller) and L0107-2A (Drive Unit)	
25G syringe	Becton Dickinson	REF 302105	
Fast green	Sigma-Aldrich	F-7252	0.1%
Standard Stereotaxic Instruments	RWD Life Science	68037	Without using 68030 Mouse/ Neonatal Rat Adaptor
Anti-FOXP2 antibody	Abcam	ab16046	Rabbit polyclonal to FOXP2, 1:4,000
Anti-RFP antibody	Abcam	ab65856	Mouse monoclonal to RFP, 1:1,000
BX63 microscope	Olympus	BX63	
LSM 880 confocal microscope	Zeiss	LSM 880	
Goat anti-rabbit conjugated Alexa fluor594	Jackson ImmunoResearch Laboratories Inc.	111-585-003	
AAV9.hSynapsin.HI.eGFP-Cre.WPRE.SV40	Penn Vector Core	AV-9-PV1848	Lot # CS0987, 5.506x10 ¹³ (GC/mL)
AAV9.chicken actin-eGFP	AAV core, Institute of Biomedical Sciences, Academia Sinica, Taiwan	N/A	1x10 ¹⁴ (GC/ml)
B6.Cg-Gt(ROSA)26Sortm14(CAG-tdTomato)Hze/J	The Jackson Laboratory	007914	Ai14
B6(Cg)-Foxp2tm1.1Sfis/CfreJ	The Jackson Laboratory	026259	Foxp2 ^{fl/m}
Dulbecco's phosphate buffered saline	Corning cellgro	21-030-CVR	