

Materials List for:

Gene Delivery to Postnatal Rat Brain by Non-ventricular Plasmid Injection and Electroporation

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Materials

Name	Type	Company	Catalog Number	Comments
2A-sa dumb Tweezers, 115mm	equipment	XYtronic	XY-2A-SA	Treat with 70% ethanol for disinfection before use in surgical manipulations
Biological Temperature Controller with stainless steel heating pad	equipment	Supertech	TMP-5b	
Borosilicate tube with filament	material	Sutter Instrument Co.	BF120-69-10	Glass needle
Disposable drills	material	Meisinger	HP 310 104 001 001 008	
Dulbeco's PBS 10X	reagent	Sigma-Aldrich	D1408	
Dumont #5 forceps, 110 mm	equipment	Fine Science Tools	91150-20	Treat with 70% ethanol for disinfection before use in surgical manipulations
Ealing micr-lectrode puller	equipment	Ealing	50-2013	Vertical electrode glass puller
Ethilon monofil polyamide 6-0 FS-3 16 mm 3/8c	material	Johnson & Johnson	EH7177H	Surgical threads
Exmire micro syringe 10.0 ml	equipment	Exmire	MS*GLLX00	Gas-tight syringe
Fast Green	reagent	Sigma-Aldrich	F7252	
Forceps electrodes	equipment	BEX	LF650P3	Treat with 70% ethanol for disinfection prior to use
Foredom drill control	equipment	Foredom	FM3545	Surgical drill power supply and control. Currently available analogue is micromotor kit K.1070 (Foredom)
Foredom micro motor handpiece	equipment	Foredom	MH-145	Currently available analogue is micromotor kit K.1070 (Foredom)
Gas anesthesia platform for mice	equipment	Stoelting Co.	50264	Assembled on stereotaxic instrument
Isoflurane	reagent	Baxter International Inc.	FDG9623	
Micro dressing forceps, 105 mm	equipment	Aesculap	BD302R	Treat with 70% ethanol for disinfection before use in surgical manipulations
Microfil	material	World Precision Instruments, Inc.	MF34G-5	Micro syringe filling capillaries
Mineral oil	reagent	Sigma-Aldrich	M8410	
NanoFil Syringe 10 microliter	equipment	World Precision Instruments, Inc.	NANOFIL	Hamilton syringe

plasmid CAG-EGFP	reagent			Extracted and purified with EndoFree Plasmid Maxi Kit (Qiagen) and dissolved in nuclease free water to concentration 1.5 mg/ml
Pulse generator CUY21Vivo-SQ	equipment	BEX	CUY21Vivo-SQ	
Schiller electrode gel	reagent	Schiller AG	2.158000	Conductive gel
Small animal stereotaxic instrument	equipment	David Kopf Instruments	900	
St-Itting mouse and neonatal rat adaptor	equipment	Stoelting Co.	51625	Assembled on stereotaxic instrument. Treat earbars with 70% ethanol for disinfection before use in surgical manipulations
Student iris scissors, straight 11.5 cm	equipment	Fine Science Tools	91460-11	Treat with 70% ethanol for disinfection before use in surgical manipulations
Sugi absorbent swabs 17 x 8 mm	material	Kettenbach	31602	Surgical tampons
UMP3 microsyringe pump and Micro 4 microsyringe pump controller	equipment	World Precision Instruments, Inc.	UMP3-1	Microinjector and controller
Univentor 400 Anesthesia Unit	equipment	Univentor	8323001	