

Materials List for:

# Expansion of Embryonic and Adult Neural Stem Cells by *In Utero* Electroporation or Viral Stereotaxic Injection

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URL: <https://www.jove.com/video/4093>

DOI: [doi:10.3791/4093](https://doi.org/10.3791/4093)

## Materials

Name	Company	Catalog Number	Comments
Endofree maxi plasmid kit	Qiagen	12362	
FastGreen	Sigma	F7258	
P-97 Flaming/Brown pipette puller	Sutter Instruments		
Borosilicate capillaries with filament	Sutter Instruments	BF120-69-10	
Table top laboratory animal anesthesia system	VetEquip	901806	
Isofluran	Baxter	HDG9623	
Germinator 500 glass bead sterilizer	SouthPointe Surgical	GRM5-1460	
Iris forceps	WPI	15917	
Betaisodona solution	Mundipharma	1931491	
Pico Pump	WPI	PV820	
ECM 830 square wave electroporator	Harvard Apparatus	450052	
Round tweezer electrodes	NEPAGENE	CUY650P1	
Suture material	Ethicon	V493H	
Reflex clip applicator for wound closure	WPI	500345	
Temgesic injection solution	Essex Pharma AG		
DMEM w/Glutamax-I	Invitrogen	31966021	
Fetal Bovin Serum	Invitrogen	1027016	
Penicillin/Streptomycin	Gibco	15140	
Tissue culture dish	Falcon	353003	
Polyethylenimine 250 ml	Sigma-Aldrich	40872-7	
n-Butyric acid, sodium salt	Sigma	B 5887	
Tube, thinwall, polyallomer	Beckman	326823 / 331374	
Model 900 small animal stereotaxic instrument	Kopf Instruments		
OPMI pico microscope	Zeiss		
SYS-Micro4 controller and Nanoliter2000 injector	WPI	B203MC4	
Glass replacement 3.5 nanoliter	WPI	4878	
SR drill general application	Foredam	K2272	
<b>Antibody</b>	<b>Supplier</b>	<b>Catalog #</b>	<b>Dilution</b>

Doublecortin	Santacruz	SC8066	1:100
GFAP	Chemicon	MAB3404	1:500
Nestin	BD Biosciences	556309	1:1000
S100 $\beta$	Abcam	Ab868	1:1000
Sox2	Millipore	AB-5603	1:500
Tbr2	Abcam	Ab23345	1:400
<b>Table of antibodies</b>			