

Materials List for:

# Time-lapse Confocal Imaging of Migrating Neurons in Organotypic Slice Culture of Embryonic Mouse Brain Using *In Utero* Electroporation

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## Materials

Name	Company	Catalog Number	Comments
isoflurane	Abbott Laboratories	506949	Forene
6-well plate	Corning	351146	
12-well plate	Corning	351143	
non-absorbable surgical suture	Ethicon	K890H	3/8 circle, 13 mm, taper point
Micro Adson Forceps	Fine Science Tools	11018-12	serrated, length: 12 cm
fine scissors	Fine Science Tools	14063-09	angled to side, length: 9 cm
Mathieu Needle Holder	Fine Science Tools	12510-14	tungsten carbide, length: 14 cm
fine tipped forceps	Fine Science Tools	11370-40	straight, 11 cm
Vannas Tübingen Spring Scissors	Fine Science Tools	15005-08	angled up, 9.5 cm
ring forceps	Fine Science Tools	11103-09	OD: 3mm, ID, 2.2 mm, length: 9 cm
HBSS (10X)	Gibco	14180046	
L-Glutamine	Gibco	25030081	
Penicillin/Streptomycin	Gibco	15140122	
horse serum	Gibco	26050088	
BME	Gibco	41010026	
borosilicate glass capillaries	Harvard Apparatus	30-0016	1.0 OD x 0.58 ID x 100 L mm
anesthesia system	Harvard Apparatus	72-6471	
anesthetizing chamber	Harvard Apparatus	34-0460	
fluororber filter canister	Harvard Apparatus	34-0415	
low melting point agarose	Invitrogen	16520100	
vibrating blade microtome	Leica	VT1200 S	
fluorescence stereo microscope	Leica	M205 FA	
stereo microscope	Leica	M125	
inverted fluorescence tissue culture microscope	Leica	DM IL LED	
confocal laser scanning microscope	Leica	TCS SP5II	
hybrid detector	Leica	HyD	
objective, 40x/0.60 NA	Leica	11506201	
microscope temperature control system	Life Imaging Services	Cube, Brick & Box	
cell culture insert	Millipore	PICM0RG50	
microgrinder	Narishige	EG-45	use 38° angle for beveling
microinjector	Parker Hannifin	052-0500-900	Picospritzer III

carprofen	Pfizer Animal Health	NDC 61106-8507	Rimadyl
embedding mold	Polysciences	18986-1	
endotoxin-free plasmid maxi kit	Qiagen	12362	
fast green	Sigma	F7252	
laminin	Sigma	L2020	
poly-L-lysine	Sigma	P5899	
HEPES	Sigma	H4034	
D-glucose	Sigma	G6152	
calcium chloride	Sigma	C7902	
magnesium sulfate	Sigma	M2643	
sodium bicarbonate	Sigma	S6297	
square wave electroporator	Sonidel	CUY21EDIT	
tweezers with 5 mm platinum disk electrodes	Sonidel	CUY650P5	
micropipette puller	Sutter Instrument	P-97	
box filament	Sutter Instrument	FB255B	2.5 mm x 2.5 mm
micro-spoon spatula	VWR	231-0191	185 mm x 5 mm
glass bottom dish, 50 mm	World Precision Instruments	FD5040-100	