

Materials List for:

***In utero* Electroporation followed by Primary Neuronal Culture for Studying Gene Function in Subset of Cortical Neurons**

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URL: <https://www.jove.com/video/2103>

DOI: [doi:10.3791/2103](https://doi.org/10.3791/2103)

Materials

Name	Company	Catalog Number	Comments
10X Hanks' Balanced Salt Solution (HBSS) (Ca ⁺² /Mg ⁺² free)	GIBCO, by Life Technologies	14185-052	
10X Hanks' Balanced Salt Solution (HBSS) (with Ca ⁺² /Mg ⁺²)	GIBCO, by Life Technologies	14065-056	
1M HEPES pH 7.4	GIBCO, by Life Technologies	15630-080	
100 x 15 mm Petri Dishes	Fisher Scientific	08-757-12	
60 x 15 mm Petri Dishes	BD Biosciences	351007	
15 mL conical vial	Sarstedt Ltd	62-547-205	
50 mL conical vial	Sarstedt Ltd	62-554-205	
Scissors	Fine Science Tools	91402-12	
Standard Forceps	Fine Science Tools	11000-12	
Curved Forceps	Fine Science Tools	11273-20	
Fine Forceps	Fine Science Tools	11255-20	
Vannas spring scissors	Fine Science Tools	15000-00	
.25% Trypsin-EDTA	GIBCO, by Life Technologies	25200	
Reichert Bright-Line Hemacytometer	Hausser Scientific	1490	
Hand-Held Tally Counter	Sigma-Aldrich	Z169021	
Dulbecco's Modified Eagle Medium (D-MEM)	GIBCO, by Life Technologies	11960-051	
Fetal Bovine Serum	Sigma-Aldrich	F4135	
Penicillin-Streptomycin	GIBCO, by Life Technologies	15140	
L-glutamine	GIBCO, by Life Technologies	25030	
NEUROBASAL Medium	GIBCO, by Life Technologies	21103-049	
B-27 Serum-Free Supplement	GIBCO, by Life Technologies	17504-044	
GlutaMAX -I Supplement	GIBCO, by Life Technologies	35050-061	
Gentamicin Reagent Solution	GIBCO, by Life Technologies	15750-060	
Paraformaldehyde	Sigma-Aldrich	P6148	
Phosphate Buffered Saline	Sigma-Aldrich	P4417	
Triton X-100	Sigma-Aldrich	T9284	
Donkey Serum	Jackson ImmunoResearch	017-000-121	
beta-III tubulin antibody	Chemicon International	MAB1637	
MAP2 antibody	Chemicon International	AB15452	
Donkey Cy3 anti-mouse	Jackson ImmunoResearch	715-166-151	

Donkey Cy2 anti-chicken	Jackson ImmunoResearch	703-226-155	
DAPI	GIBCO, by Life Technologies	D3571	
CC2 Coated Two-Chamber Slides	Lab-Tek	154852	
Fluorescent Mounting Media	KPL Inc	71-00-16	
24 x 60 mm Micro Cover Glasses	VWR international	48393-106	
Clear nail polish	Electron Microscopy Sciences	72180	
Ketamine	Henry Schein	995-2949	
Xylazine	Henry Schein	4015809TV	
buprenorphine	Henry Schein	1118217	
Picospritzer III	Parker Hannifin Corporation		
BTX square wave electroporator	Fisher Scientific	BTXECM830	
Tweezertrodes, 7 mm, platinum	Harvard Apparatus	450488	