

Materials List for:

Methods for Study of Neuronal Morphogenesis: *Ex vivo* RNAi Electroporation in Embryonic Murine Cerebral Cortex

Sofia B. Lizarraga^{1,2,3}, Kathryn R. Coser^{1,2}, Mark Sabbagh^{1,2}, Eric M. Morrow^{1,2,3}

¹Department of Molecular, Cellular Biology and Biochemistry, Brown University

²Institute for Brain Science, Brown University

³Department of Psychiatry and Human Behavior, Warren Alpert School of Medicine, Brown University

Correspondence to: Eric M. Morrow at eric_morrow@brown.edu

URL: <https://www.jove.com/video/3621>

DOI: [doi:10.3791/3621](https://doi.org/10.3791/3621)

Materials

Name	Company	Catalog Number	Comments
Hamilton syringe	Hamilton Co	80008	31 gauge, 0.5 inches long, PT-4 (level of point beveling), 10µl volume
Platinum tweezerrodes	BTX Technologies	45-0489	5mm size
ECM830 electroporator	BTX Technologies	45-0002	
BTX Footswitch	BTX Technologies	45-0208	For use with ECM830 electroporator
Vibrating blade microtome	Leica Microsystems	VT1000 S	
6- well dish to use with inserts	Falcon BD	353502	Contains notches to fit inserts
Tissue culture inserts	Falcon BD	353090	0.4 micrometer
Fast Green	Sigma-Aldrich	F7252	
Low Melting Agarose	Fisher Scientific	BP165-25	DNA grade
Laminin	Sigma-Aldrich	L2020	
Poly-L-lysine	Sigma-Aldrich	P5899	
Basal Medium Eagle	Sigma-Aldrich	B-1522	
HBSS 10x without Ca and Mg	GIBCO, by Life Technologies	14180-046	
HEPES-free acid	Sigma-Aldrich	H4034	