

Materials List for:

# Quantification of Filamentous Actin (F-actin) Puncta in Rat Cortical Neurons

Hailong Li<sup>1</sup>, Marina Aksenova<sup>1</sup>, Sarah J. Bertrand<sup>1</sup>, Charles F. Mactutus<sup>1</sup>, Rosemarie Booze<sup>1</sup>

<sup>1</sup>Laboratory Program in Behavioral, Neuroscience, Department of Psychology, University of South Carolina

\*These authors contributed equally

Correspondence to: Rosemarie Booze at [booze@mailbox.sc.edu](mailto:booze@mailbox.sc.edu)

URL: <https://www.jove.com/video/53697>

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## Materials

Name	Company	Catalog Number	Comments
35 mm Glass Bottom Dishes No. 1.5 coverglass	MatTek Corporation	P35G-1.5-20-C	
DMEM/F12 medium	Life Technologies	10565-018	
Trypsin-EDTA	Life Technologies	15400-054	
Poly-L-Lysine	Sigma	P9155	
Boric acid	Sigma	B0252	
Borax	Sigma	B9876	
GlutaMax	Life Technologies	35050-061	100X
Glucose	VWR	101174Y	
HBSS	Sigma	H4641	10X
Neurobasal medium	Life Technologies	21103-049	
B-27 supplement	Life Technologies	17504-044	50X
Antibiotic-Antimycotic solution	Cellgro	30004CI	100X
Sodium Bicarbonate	Life Technologies	25080	
Vannas Scissors	World Precision Instruments	500086	
Iris Scissors	World Precision Instruments	500216	
Iris Forceps	World Precision Instruments	15914	
Dumont #7 Forceps	World Precision Instruments	14097	
Dumont #5 Forceps	World Precision Instruments	14095	
ProLong Gold	Life Technologies	P36930	
Paraformaldehyde	Sigma	P6148	
Cover glass	VWR	631-0137	
AlexaFluor 488 Phalloidin	Life Technologies	A12379	
Normal horse serum	Life Technologies	26050-070	
Chicken polyclonal anti-MAP2	abcam	Ab92434	
Alexa Red 594-conjugated goat anti-chicken IgG	Life Technologies	A11042	
NucBlue Live cell stain ReadyProbes Reagent Hoescht 33342	Life Technologies	R37605	
NIS-Elements software package	Nikon Instruments		
Nikon Eclipse TE2000-E inverted fluorescent computer-controlled microscope	Nikon Instruments		
0.2 µm Nalgene nylon membrane filter	Fishersci	151-4020	