

Materials List for:

Adult Mouse DRG Explant and Dissociated Cell Models to Investigate Neuroplasticity and Responses to Environmental Insults Including Viral Infection

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Materials

Name	Company	Catalog Number	Comments
Adult Mice NIH/Swiss	Harlan Laboratories		
35mm petri dish	Cell Treat	229635	
Matrigel ECM	Sigma-Aldrich	E1270	gelatinous protein mixture
F12 Media	Gibco	11765-054	*Part of SFM media
Collagenase IV	Sigma-Aldrich	C5138	
Trypsin	Sigma-Aldrich	25200-056	
FBS	Sigma-Aldrich	F6178	
0.22um filter	BD Falcon	352350	
Neurobasal media	Gibco	10888-022	
B27 supplement	Gibco	17504-044	Supplement for neuronal culture
PSN antibiotics	Gibco	15640-055	*Part of SFM media Antibiotic mixture
L-glutamate	Sigma-Aldrich	G7513	*Part of SFM media
NGF	Alomone Labs	N-100	Nerve growth factor
Laminin coated coverslide	Neuvitro	GG-14-Laminin	
ONPG substrate	Pierce	34055	
X-gal	Invitrogen	15520034	
Antibody anti-B-tubulin	Sigma-Aldrich	T8328	1:2000 dilution
Antibody anti-peripherin	Millipore	AB1530	1:1000 dilution
Hoechst dye	Thermo Fisher	62249	1.5 µM final concentration
Anti-heparan sulfate	US Biological	H1890-10	0.180555556
Anti gD antibody	Virostat	196	1:10 dilution
BSA	Sigma-Aldrich	A2153-100G	*Part of SFM media
BME	Gibco	21010-046	*Part of SFM media
Glucose	Sigma-Aldrich	G7021-1KG	*Part of SFM media
KIT (Insulin-transferrin-Selenium-A)	Gibco	51300-044	*Part of SFM media
Vitamin-C	Sigma-Aldrich	A4403	*Part of SFM media
Putrescine	Sigma-Aldrich	P7505	*Part of SFM media
488 (goat anti-mouse)	Life Technologies	A11029	
Cy3 (goat anti-rabbit)	Jackson Immunoresearch laboratories	111-165-003	
Normal Goat serum	Vector	S-1000	

Formalin Solution	Sigma-Aldrich	HT5014-120ML	
PBS	Gibco	10010-031	
Triton-X	Sigma-Aldrich	T9284-500ML	
VectaShield	Vector	H-1500	Flurescence mount
Diamond White Glass Coverslides	Globe Scientific	1380-20	