

Materials List for:

# Transplantation of Schwann Cells Inside PVDF-TrFE Conduits to Bridge Transected Rat Spinal Cord Stumps to Promote Axon Regeneration Across the Gap

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## Materials

Name	Company	Catalog Number	Comments
Cryogenic vials	ThermoFisher Scientific	5000-0020	
10 cm Petri dish	VWR	25382-428	
Dulbecco's modified Eagle's medium: nutrient mixture F-12	ThermoFisher Scientific	11039-021	"DMEM/F12" in protocol.
Penicillin-streptomycin	ThermoFisher Scientific	15140-122	"Pen/Strep" in protocol.
Fetal bovine serum	Hyclone	SH300-70-03	"FBS" in protocol.
Pituitary extract	Biomedical Technologies	BT-215	
Forskolin	Sigma-Aldrich	F6886	
Heregulin	R&D Systems	396-HB/CF	
Poly L-lysine	Sigma-Aldrich	P2636	"PLL" in protocol.
Dulbecco's modified Eagle's medium	ThermoFisher Scientific	11965-092	"DMEM" in protocol.
Hank's balanced salt solution	ThermoFisher Scientific	14170-112	"HBSS" in protocol.
Trypsin-EDTA	ThermoFisher Scientific	15400-054	
Female Fischer rat (160-180g)	Envigo		
Vannas scissor, straight	FST	15018-10	
Ketamine	Vedco Inc	5098976106	100 mg/ml
Xylazine	Lloyd Inc	AnaSed	20 mg/ml
Gentamycin	APP Pharmaceuticals	NDC 63323-010-02	Can be any brand of choice.
Micro Spatula	FST	10089-11	Can be any brand of choice.
Curved scissors with blunt end	FST	14017-18	Can be any brand of choice.
Blunt forceps	FST	11006-12	Can be any brand of choice.
rongeur	FST	16121-14	Can be any brand of choice.
Angled spring scissors	FST	15006-09	Can be any brand of choice.
Absorption triangles	FST	18105-03	Can be any brand of choice.
Gelfoam	Henry Schein	9083300	"Compressed foam" in protocol.
#10 blades	Sklar	06-3010	Can be any brand of choice.
Matrigel	Corning	354234	"Injectable matrix" in protocol.
Chicken anti-green fluorescent protein antibody	Millipore	AB16901	

Mouse RT97 hybridoma antibody	DSHB	RT97	
Rabbit anti-neurofilament antibody	Encor Biotechnology, Inc	PRCA-NF-H	
Polyclonal Rabbit anti-Glial Fibrillary Acidic Protein antibody	Dako	Z033401	
Alexa Fluor 488 goat anti-chicken IgG (H+L)	ThermoFisher Scientific	A-11039	
Alexa Fluor 546 goat anti-rabbit IgG (H+L)	ThermoFisher Scientific	A-11035	
Alexa Fluor 647 goat anti-rabbit IgG (H+L)	ThermoFisher Scientific	A-21244	
Alexa Fluor 647 goat anti-mouse IgG (H+L)	ThermoFisher Scientific	A-21236	
Confocal Microscopy	Nikon	clsi	