

Materials List for:

# Intraspinal Cell Transplantation for Targeting Cervical Ventral Horn in Amyotrophic Lateral Sclerosis and Traumatic Spinal Cord Injury

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URL: <https://www.jove.com/video/3069>

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## Materials

Name	Company	Catalog Number	Comments
HBSS	GIBCO, by Life Technologies	14170	
0.05% Trypsin	GIBCO, by Life Technologies	25300	
Soybean Trypsin Inhibitor (optional)	Sigma-Aldrich	T-6522	
Acepromazine maleate (0.7 mg/kg)	Fermenta Animal Health		
Ketamine (95 mg/kg)	Fort Dodge Animal Health		
Xylazine (10 mg/kg)	Bayer AG		
#11 Feather surgical blade	Electron Microscopy Sciences	72044-11	
Cotton-tipped applicators (6 inch)	Fisher Scientific	23-400-101	
Rat-toothed forceps	Fine Science Tools	Rat: 11023-15; Mouse: 11042-08	
Medium-sized spring scissors	Fine Science Tools	15012-12	
Mini spring scissors	Fine Science Tools	15000-10	
Rongeur	Fine Science Tools	Rat: 16121-14; Mouse: 16221-14	
Microknife	Fine Science Tools	10056-12	
Needle holders	Fine Science Tools	12502-14	
Suture: 4-0	Vicryl	S-183	
Staples: 9 mm	Autoclip	427631	
Stapler: 9 mm (Reflex #203-1000)	World Precision Instruments, Inc.	5000344	
Warm water pump (T/Pump)	Gaymar Industries	P/N 07999-000	
Cyclosporin A: 250.0 mg/5.0 mL ampules	Novartis AG	NDC 0078-0109-01	
FK-506	LC Laboratories	F-4900	
Rapamycin	LC Laboratories	R-5000	
Injector	World Precision Instruments, Inc.	UMP2	
Micro 4 Microsyringe Pump Controller	World Precision Instruments, Inc.	UMC4	
Micromanipulator	World Precision Instruments, Inc.	Kite-R	
10.0 µL Hamilton syringe	Hamilton Co	80030	
Hamilton needles: 33-gauge, 45° bevel, 1 inch	Hamilton Co	7803-05	
Glass 20.0 µL microcapillary pipettes (optional)	Kimble Chase	71900-20	