

Materials List for:

Controlled Cortical Impact Model of Mouse Brain Injury with Therapeutic Transplantation of Human Induced Pluripotent Stem Cell-Derived Neural Cells

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Materials

Name	Company	Catalog Number	Comments
1 ml syringes	Becton Dickinson (BD)	309659	
1.7 ml flip top test tubes	Denville	C2170	
10 microliter syringe	Hamilton	7635-01	
25G Precision Glide syringe needles	Becton Dickinson (BD)	305122	
70% ethanol			Product of choice; varies by region
acetaminophen oral suspension	Tylenol (Children's)		Dilute to 1 mg/ml in water
anesthetic vaporizer	Vetland	521-11-22	
animal handling cloth			Purchase from department store
Betadine	Purdue Products	NDC-67618-151-32	
compressed oxygen			Product of choice; varies by region
cyclosporine A	Sigma-Aldrich	30024-100mg	
DAB staining kit	Vector Laboratories	SK-4100	
dimethyl sulfoxide (DMSO)	Sigma-Aldrich	D8418-500ml	
DMEM	Invitrogen (ThermoFisher)	A14430-01	
donkey anti-mouse IgG antibody, HRP conjugated	Jackson ImmunoResearch	715-035-151	
electrical tape	3M Corporation		Purchase from department store
fine tweezers	Fine Science Tools	11254-20	
forceps	Fine Science Tools	91106-12	
glass capillary pipettes, 1 mm OD, 0.58 mm ID	World Precision Instruments	1B100F-3	
High Speed Rotary Micromotor Kit	Freedom Electric Co.	K.1070 - K.107018	
Ideal Micro Drill Burr Set Of 5	Cell Point Scientific	60-1000	
Impact One Stereotaxic Impactor for CCI	Leica Biosystems	39463920	
isoflurane	Baxter	NDC-10019-360-60	
lab bench timers	Fisher Scientific	14-649-17	
Micropipette puller	MicroData Instruments, Inc.	PMP-102	Any puller will suffice
Microscope cover slips	Fisherbrand	12-545-E	
Microscope slide mounting medium			Product of choice
mirror			Purchase from department store
mouse anti-human nuclear antigen antibody	Millipore	MAB1281	

Mouse on Mouse blocking kit	Vector Laboratories	BMK-2202	
needle holder hemostat	Fine Science Tools	12002-12	
ophthalmic ointment	Falcon Pharmaceuticals	NDC-61314-631-36	
ophthalmic spring scissors	Fine Science Tools	15018-10	
plastic box			Purchase from department store
plastic cylinder			Purchase from department store
QSI motorized syringe pump	Stoelting	53311	
Removable needle compression fitting	Hamilton	55750-01	
small rodent stereotaxic frame	Stoelting	51925	
small scissors	Fine Science Tools	14060-09	
StemPro Accutase	Invitrogen (ThermoFisher)	A1110501	
Sterile alcohol prep pads	Fisherbrand	06-669-62	
sterile cotton swabs/Kendall Q-tips	Tyco Healthcare	540500	
Sterile saline	Hospira	NDC-0409-1966-07	
Stopwatches (2)	Fisher Scientific	06-662-56	
Superfrost Plus Gold microscope slides	Fisherbrand	15-188-48	
sutures - 5.0 silk with curved needle	Oasis	MV-682	