

Materials List for

Automated Gait Analysis to Assess Functional Recovery in Rodents with Peripheral Nerve or Spinal Cord Contusion Injury

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Materials

Name	Company	Catalog Number	Comments
0.9% Saline	B. Braun Austria	3570410	Vehicle for drug delivery
1 ml syringe	B. Braun Austria	9161708V	Injecting device
10 ml syringe	B. Braun Austria	4606728 V	Injecting device
1-Propanol, 2-Propanol, Hexetidin	Gebro Pharma	N/A	Alcoholic skin disinfection
23-gauge (G) canula	B. Braun Austria	4657667	Canula for s.c. injection
26-gauge (G) canula	B. Braun Austria	4657683	Canula for s.c. injection
5 ml syringe	B. Braun Austria	4606710 V	Injecting device
Buprenorphine hydrochloride	Sigma	B9275	Analgetic agent
Burrs for Micro Drill	F.S.T	19007-29	Drilling of a hole inside the lamina
Caprofen	Zoetis Austria	N/A	Analgetic agent
Catwalk Automated gait analysis system	Noldus	N/A	Automatic analysis software of animal gait
Cauterizer Kit	F.S.T	18010-00	Cauterization of vessels during surgery
Enrofloxacin	Bayer Austria	N/A	Antibiotic
Ethilon (10-0)	ETHICON	2810G	Suture material for neuroorrhaphy
Ethilon (11-0)	ETHICON	EH7465G	Suture material for neuroorrhaphy
Eye ointment	Fresenius Kabi Austria	4302436	Eye protection during anesthesia
Friedman-Pearson Rongeurs	F.S.T	16221-14	Surgical instrument
Gabapentin	Wedgewood Pharmacy	N/A	Analgetic agent
Goldstein retractor	F.S.T	17003-03	Retraction of tissues during surgery
Hair trimmer	Aescular	N/A	Hair trimmer for shaving of the operation site prior to surgery
Heating Pad for rodents	ALA Scientific Instruments	N/A	Regulation of body temperature
Impactor	Precision Systems and Instrumentation	N/A	Induction of spinal cord contusion
Lewis rat (♂)	Janvier	N/A	Experimental animal
Magnetic Fixator Retraction System	F.S.T	18200-50	Retraction of tissues during surgery
Metzenbaum Baby Scissors	F.S.T	14019-13	Surgical instrument
Micro Drill	Word Precision Instruments	503599	Instrument for bone drilling
Micro Needle holder	F.S.T	12076-12	Surgical instrument

Micro-scissors (curved)	F.S.T	15023-10	Surgical instrument
Micro-scissors (straight)	F.S.T	15007-08	Surgical instrument
Mirror Finish Forceps	F.S.T	11251-23	Surgical instrument
Needle holder	F.S.T	12002-12	Surgical instrument
Operating microscope	Leica	M651 MSD	Magnification of the operative site
Povidone Iod	B. Braun Melsungen	N/A	Non-alcoholic skin disinfectant
Pulse Oximeter	STARR Life Sciences	N/A	Surveillance of heart rate and oxygen saturation
Rodent thermometer	BIOSEB	BIO-TK8851	Surveillance of body temperature
Scalpel blade	F.S.T	10010-00 (#10)	Surgical instrument to make an incision
Scalpel handle	F.S.T	10003-12 (#3)	Surgical instrument to make an incision
Sevoflurane Inhalation Vapour, Liquid (100%)	Baxter	HDG9117A	Anesthetic
Spatula & Probe	F.S.T	10090-13	Surgical instrument
Sprague Dawley rat (♂)	Janvier	N/A	Experimental animal
Sterile gauze 5x5cm	EVAC MEDICAL	E010.03.00215	Sterile gauze compress
Tissue Forceps	F.S.T	11021-12	Surgical instrument
Vicryl (4-0)	ETHICON	V3040H	Suture material for subcutaneous sutures
Vicryl (5-0)	ETHICON	V303H	Suture material for subcutaneous sutures
Vicryl cutting needle (4-0)	ETHICON	V392ZH	Suture material for skin sutures
Vicryl cutting needle (5-0)	ETHICON	V391H	Suture material for skin sutures