

Materials List for:

A Tissue Displacement-based Contusive Spinal Cord Injury Model in Mice

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Materials

Name	Company	Catalog Number	Comments
Ketamine (7.2 mg/mL)/Xylazine (0.475 mg/mL)/Acepromazine	Patterson Veterinary	07-890-8598/07-869-7632/07-808-1947	Anesthetic agent
Buprenorphine(0.03 mg/mL)	Patterson Veterinary	07-891-9756	Pain relief agent
Carprofen	Patterson Veterinary	07-844-7425	antibiotic agent
Purdue Products Betadine Surgical Scrub	Fisher Scientific	19-027132	for sterilizing skin
Dukal Gauze Sponges	Fisher Scientific	22-415-490	for sterilizing skin
Decon Ethanol 200 Proof	Fisher Scientific	04-355-450	for sterilizing skin
1 mL NORM-JECT	HENKE SASS WOLF	D-78532	for anethesia/pain relief/antibiotic agent injection
10 mL Syringe	TERUMO	REF SS-10L	for saline injection
Artificial Tears Eye Ointment	Webster Veterinary	07-870-5261	provent eyes from dry
Antibiotic Ointment	Webster Veterinary	07-877-0876	provent surgery cut from infection
Cotton Tipped Applicators	Fisher Scientific	1006015	stop bleeding
Instrument Sterilizer	Fine Science Tools	18000-50	for sterilizing surgery tool
Fine Forceps	Fine Science Tools	11223-20	grasp tissue
Scalpel	Fine Science Tools	10003-12	skin cut
Scalpel Blade #15	Fisher Scientific	10015-00	skin cut
Hemostat	Fine Science Tools	13004-14	stop bleeding
Rongeur	Fine Science Tools	16021-14	laminectomy
Agricola Retractor	Fine Science Tools	17005-04	keep the surgery view open
Fine scissors	Fine Science Tools	14040-10	for muscle seperated from spine
Sterile sutures	Fine Science Tools	12051-10	skin closure
Mouse Vertebral stabilizer	Louisville Impactor System	N/A	Stabilize and expose the vertebra
LISA	Louisville Impactor System	N/A	Produce an experimental contusion injury of the spinal cord in mice