

Materials List for

Osmotic Pump-based Drug-delivery for *In Vivo* Remyelination Research on the Central Nervous System

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Citation

Wang, X., Su, Y., Hu, X., Niu, J. Osmotic Pump-based Drug-delivery for *In Vivo* Remyelination Research on the Central Nervous System. *J. Vis. Exp.* (178), e63343, doi:10.3791/63343 (2021).

Date Published

December 17, 2021

DOI

10.3791/63343

URL

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Materials

Name	Company	Catalog Number	Comments
Anesthesia Air Pump	RWD	R510-29	E05818-006
Brain Infusion kit 3	ALZET	0008851	1-3 mm
Carprofen	Macklin	C830557-1g	5 mg/kg every 24 h
Erythromycin eye ointment	Along technology	YCKJ-RJ-024780	Cover the surface of the eyeballs during anesthesia
Erythromycin ointment	pythonbio	RG180	
Gas Evacuation Apparatus	RWD	R546W	E05518-002
L- α -Lysophosphatidylcholine	Sigma	L0906	Dissolve at 1% with sterile PBS
Microliter Syringe	Hamilton	65460-05	Syringe Series:1700, 10 μ L, 33 gauge
Micro-smotic pump model 1002	ALZET	0004317	0.25 μ L per hour, 14 days
PBS (pH = 7.3)	ORIGENE	ZLI-9061	
Pentobarbital sodium	Shanghai Civi	CAS NO: 57-33-0	150-200 mg/kg intraperitoneal injection for euthanasia
Small Animal Anesthesia Machine	RWD	R520IE	E05807-006 M
Stereotaxic Equipment	RWD	E06382	
STERI 250 sterilizer	Keller	31101	Rapid sterilization of surgical instruments
Surgical sutures	Shanghai jinhuan	F504	5-0
Syringe needle (1 mL)	Shanghai KDL	6930197811018	26 gauge (0.45 mm x 16 mm)
Testing drug and solvent	Experiment dependent	N/A	
ThermoStar Homeothermic Monitoring System	RWD	69026	Maintain body temperature during anesthesia
Vetbond Tissue adhesive	3M	1469SB	Secure the brain infusion cannula , Adhere the skin incision