

Materials List for

Modified Mouse Model of Repetitive Mild Traumatic Brain Injury Incorporating Thinned-Skull Window and Fluid Percussion

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Materials

Name	Company	Catalog Number	Comments
75% ethanol	Shandong XieKang Medical Technology Co., Ltd.	220502	
Dental cement and solvent kit	Shanghai New Century Dental Materials Co., Ltd.	20220405, 3#	Powder reconstituted in matching solvent
Dissecting microscope	Shenzhen RWD Life Science Inc.	77019	
Erythromycin ointment	Wuhan Mayinglong Pharmaceutical Group Co., Ltd.	220412	Antibiotic
Fiber Optic Cold Light Source	Shenzhen RWD Life Science Inc.	F-150C	
Flat-tipped micro-drill bit	Shenzhen RWD Life Science Inc.	HM31008	2 mm, steel
FPI device software	Jiaxing Bocom Biotech Inc.	Biocom Animal Brain Impactor V1.0	
ICR mice	Jinhua Laboratory Animal Center	Stock#2023091	25 Male mice, 25-30g, 8 weeks old
Isoflurane	Shandong Ante Animal Husbandry Technology Co., Ltd.	2023090501	
Isothermal heating pad	Wenzhou Repshop Pet Products Co., Ltd.		
Luer Loc hup			Custom made using a 19G needle hub
Micro hand-held skull drill	Shenzhen RWD Life Science Inc.	78001	Max: 38,000rpm
Modified FPI device	Jiaxing Bocom Biotech Inc.		
Morris water maze	Shenzhen RWD Life Science Inc.	63031	Evaluate mouse spatial learning and memory abilities
Open field	Shenzhen RWD Life Science Inc.	63008	Evaluate mouse locomotion and anxiety
Ophthalmic lubricant	Suzhou Tianlong Pharmaceutical Co., Ltd.	SC230724B	
Small animal anesthesia system-Enhanced	Shenzhen RWD Life Science Inc.	R530IP	

Smart video-tracking system	Panlab Harvard Apparatus Inc., MA, USA	V3.0	Animal tracking and analysis
Sodium diclofenac ointment	Wuhan Mayinglong Pharmaceutical Group Co.,Ltd.	221207	nonsteroidal anti-inflammatory drug
Stereotactic frame	Shenzhen RWD Life Science Inc.	68043	
Vetbond Tissue Adhesive	3M, St Paul, MN, USA	202402AX	Suture the animal wound
Y maze	Shenzhen RWD Life Science Inc.	63005	Evaluate mouse spatial working memory