

Materials List for:

Transcranial Direct Current Stimulation (tDCS) in Mice

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Materials

Name	Company	Catalog Number	Comments
BD Ultra-Fine 50U Syringe	BD	10033430026	For intraperitoneally injection.
Shaver (Philips Multigroom)	Philips (Brazil)	QG3340/16	For surgical site trimming.
Surgical Equipment			
Model 940 Small Animal Stereotaxic Instrument with Digital Display Console	KOPF	940	For animal surgical restriction and positioning.
Model 922 Non-Rupture 60 Degree Tip Ear Bars	KOPF	922	For animal surgical restriction and positioning.
Cannula Holder	KOPF	1766-AP	For implant positioning.
Precision Stereo Zoom Binocular Microscope (III) on Boom Stand	WPI	PZMIII-BS	For bregma localization and implant positioning.
Temperature Control System Model	KOPF	TCAT-2LV	For animal thermal control.
Cold Light Source	WPI	WA-12633	For focal brightness
Tabletop Laboratory Animal Anesthesia System with Scavenging	VetEquip	901820	For isoflurane delivery and safety.
VaporGuard Activated Charcoal Adsorption Filter	VetEquip	931401	Delivery system safety measures.
Model 923-B Mouse Gas Anesthesia Head Holder	KOPF	923-B	For animal restriction and O ₂ and isoflurane delivery.
Oxygen regulator, E-cylinder	VetEquip	901305	For O ₂ regulation and delivery.
Oxygen hose – green	VetEquip	931503	For O ₂ and isoflurane delivery.
Infrared Sterilizer 800 ��C	Marconi	MA1201	For instrument sterilization.
Surgical Instruments			
Fine Scissors - ToughCut	Fine Science Tools	14058-11	For incision.
Surgical Hooks	INJEX	1636	In House Fabricated - Used to clear the surgical site from skin and fur.
Standard Tweezers or Forceps	-	-	For skin grasping.
Surgical Consumables			
Vetbond	3M	SC-361931	For incision closing.
Cement and Catalyzer KIT (Duralay)	Reliance	2OZ	For implant fixation.
Sterile Cotton Swabs (Autoclaved)	JnJ	75U	For surgical site antisepsis.
24 Well Plate (Tissue Culture Plate)	SARSTEDT	831,836	For cement preparation.
Application Brush	parkell	S286	For cement mixing and application.

Pharmaceutics			
Xylazin (ANASEDAN 2%)	Ceva Pharmaceutical (Brazil)	P10160	For anesthesia induction.
Ketamine (DOPALEN 10%)	Ceva Pharmaceutical (Brazil)	P30101	For anesthesia induction.
Isoflurane (100%)	Cristália (Brazil)	100ML	For anesthesia maintenance.
Lidocaine (XYLESTESIN 5%)	Cristal Pharma	-	For post-surgical care.
Ketoprofen (PROFENID 100 mg)	Sanofi Aventis	20ML	For post-surgical care.
Ringer's Lactate Solution	SANOBIOL LAB	7898153652145	For post-surgical care.
TobraDex (Dexamethasone 1 mg/g)	Alcon	631	For eye lubrication and protection.
Stimulation			
Animal Transcranial Stimulator	Soterix Medical	2100	For current generation.
Pin-type electrode Holder (Cylindrical Holder Base)	Soterix Medical	2100	Electrode support (Implant).
Pin-type electrode (Ag/AgCl)	Soterix Medical	2100	For current delivery (electrode).
Pin-type electrode cap	Soterix Medical	2100	For implant protection.
Body Electrode (Ag/AgCl Coated)	Soterix Medical	2100	For current delivery (electrode).
Saline Solution (0.9%)	FarmaX	7896902206441	Conducting medium for current delivery.
Standard Tweezers or Forceps	-	-	For tDCS setup.
Real Time Polymerase Chain Reaction			
BioRad CFX96 Real Time System	BioRad	C1000	For qPCR
SsoAdvanced TM Universal SYBR Green Supermix (5 X 1mL)	BioRad	1725271	For qPCR
Hard Shell PCR Plates PCT COM 50 p/ CFX96	BioRad	HSP9601	For qPCR
Microseal "B" seal pct c/ 100	BioRad	MSB1001	For qPCR