

Materials List for:

Trans-Tympanic Drug Delivery for the Treatment of Ototoxicity

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Materials

Name	Company	Catalog Number	Comments
Ketathesia (100 mg/ml) 10 ml	Henry Schein	56344	Controlled substance
AnaSed Injection/Xylazine (20 mg/ml) 20 ml	Henry Schein	33197	
2.5 mm disposable ear specula	Welch Allyn	52432	
Surgical Scope	Zeiss		
29 G X 1/2 insulin syringe	Fisher Scientific	14-841-32	Can be purchased through other vendors
cis-Diammineplatinum(II) dichloride	Sigma Aldrich	P4394	TOXIC - wear proper PPE
Harvard 50-7103 Homeothermic Blanket Control Unit	Harvard Apparatus	Series 863	
Excel International 21 G X 3/4 butterfly needle	Fisher	14-840-34	Can be purchased through other vendors
BSP Single Speed Syringe Pump	Brain Tree Sci, Inc	BSP-99	
Pulse Sound Measurement System	Brüel & Kjær	Pulse 13 software	
High-Frequency Module	Brüel & Kjær	3560C	
1/8" Pressure-field Microphone — Type 4138	Brüel & Kjær	bp2030	
High Frequency Transducer	Intelligent Hearing System	M014600	
Opti-Amp Power Transmitter	Intelligent Hearing System	M013010P	
SmartEP ABR System	Intelligent Hearing System	M011110	
Disposable Subdermal EEG Electrodes	CareFusion	019-409700	
16% Formaldehyde, Methanol-free	Fisher Scientific	28908	TOXIC - wear proper PPE
7 mL Borosilicate Glass Scintillation Vial	Fisher Scientific	03-337-26	Can be purchased through other vendors
EDTA	Fisher Scientific	BP118-500	Can be purchased through other vendors
Sucrose	Fisher Scientific	S5-500	Can be purchased through other vendors
Tissue Plus OCT Compound	Fisher Scientific	4585	
CryoMolds (15 mm x 15 mm x 5mm)	Fisher Scientific	22-363-553	Can be purchased through other vendors
Microscope Slides (25mm x 75mm)	MidSci	1354W	Can be purchased through other vendors
Coverslips (22 x 22 x 1)	Fisher Scientific	12-542-B	Can be purchased through other vendors
Poly-L-Lysine Solution (0.01%)	EMD Millipore	A-005-C	Can be purchased through other vendors

HM525 NX Cryostat	Thermo Fischer Scientific	956640	
MX35 Premier Disposable Low-Profile Microtome Blades	Thermo Fischer Scientific	3052835	
Wheaton™ Glass 20-Slide Staining Dish with Removable Rack	Fisher Scientific	08-812	
Super Pap Pen Liquid Blocker	Ted Pella, Inc.	22309	
Normal Donkey Serum	Jackson Immuno Research	017-000-121	Can be purchased through other vendors
TritonX-100	Acros	21568	Can be purchased through other vendors
BSA	Sigma Aldrich	A7906	Can be purchased through other vendors
Phospho-Stat1 (Ser727) antibody	Cell Signaling	9177	
VR1 Antibody (C-15)	Santa Cruz	sc-12503	
DyLight 488 Donkey anti Rabbit	Jackson Immuno Research	711-485-152	Discontinued
DyLight 488 Donkey anti Goat	Jackson Immuno Research	705-485-003	Discontinued
Rhodamine (TRITC) Donkey anti Rabbit	Jackson Immuno Research	711-025-152	Discontinued
ProLong® Diamond Antifade Mountant w/ DAPI	Thermo Fisher	P36971	
(-)-N6-(2-Phenylisopropyl)adenosine	Sigma Aldrich	P4532	
8-Cyclopentyl-1,3-dipropylxanthine	Sigma Aldrich	C101	
siRNA pSTAT1	Qiagen	Custom Made	Kaur et al. 2011 ²⁰
siRNA NOX3	Qiagen	Custom Made	Kaur et al. 2011 ²⁰
Scrambled Negative Control siRNA	Qiagen	1022076	Kaur et al. 2011 ²⁰