

Materials List for:

The Mouse Round-window Approach for Ototoxic Agent Delivery: A Rapid and Reliable Technique for Inducing Cochlear Cell Degeneration

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Materials

Name	Company	Catalog Number	Comments
1-Heptanol 98%	Sigma-Aldrich	H2805	PubChem Substance ID 24895536
Ketaset Injectable (Ketamine HCl)	Patterson Veterinary	07-803-6637	Concentrate 100mg/ml
Anased Injectable	Lloyd Laboratories	NADA# 139-236	Concentrate 20mg/ml
Buprenex Injectable (Buprenorphine HCl)	Patterson Veterinary	07-850-2280	Concentrate 0.3 mg/ml
Betadine Skin Prep Solution	Medline	MDS093941	1 Quart screw top bottle
0.9% Sterile Saline	Variable		For mixing solutions and injections
Operating Microscope	Carl Zeiss	32192	
Controlled Acoustics Environment Sound Booth	Industrial Acoustics Company		
Surgical Head Holder	Custom Made –	Please see Figure 3	
Medical University of South Carolina			
Neck Soft-Tissue Retractor (Wire Speculum, Titanium) 1.75 inch	World Precision Instruments	555801L	Maximum spread 20 mm
Embedded in disposable putty to affix dynamically to head holder			
90N Dental Belt Driven Hand Drill	Emesco	Vintage Item	
Scalpel Handle Size 6	Bard-Parker	MEDC-011990	
#15c Stainless Steel Surgical Scalpel Blade	Bard-Parker	SKU: 097-7215	50 Blades/Box
Via ACE Surgical Supply Code			
Straight Tip Jewelers Forceps	Bernell	MIL17304	
Iris Scissors Curved	Medline	DYND04026	
Iris Scissors Straight	Medline	DYND04025	
Stevens Tenotomy Scissors Straight	Medline	MDG322211	
Rosen Ear Needle Straight Shaft, Lightly Curved Tip	MytaMed	Item# 6.56.00	Figure 1 demonstrates angled shaft picks. This was later substituted for the Rosen picks
Rosen Ear Needle Straight Shaft, Strongly Curved Tip	MytaMed	Item# 6.56.01	
Kimwipes Delicate Task Wipers	Kimtech Science	CODE 34155	White, Size 4.4x8.4 Inch. Cut to triangles and rolled into fine tip wicks.

House Ear Curette, 6" shaft, light angle	Medline	MDG0396486	
Gelfoam (absorbable gelatin sponge) Size 100	Medline	IIS34201	Substitutions may be made
Cotton pellets #3 4 mm	Richmond	Manufacturer Code 100108	
ElectroSurgical Unit 100 E M/M	Elmed	List No. 52-5770	Bipolar and Monopolar Capable
1cc U-100 Insulin Syringe 28G, 0.5" length needle	BD	Product Number: 329410	Optional for delivery of Ototoxic agent
23G, blunt tip, 1" length needle	Kendall	Product Code 8881202397	For controlled delivery of Ototoxic agent with less risk of damaging stapedial artery
Surgical Mask	U-line	S-10478	
Exam Grade Nitrile Surgical Gloves	U-line	S-12549	
Precision Hair Clippers	Wahl		Multiple models may be substituted
5-0 Nylon black monofilament suture on PC-1 13 mm 3/8 circle needle	Ethilon	1855G	Substitutions may be made.
Instant Sealing Sterilization Pouch	Fisher	01-812054	
Dry Sterilizer	ROBOZ	Germinator™ 500	