

Materials List for:

# A Unified Methodological Framework for Vestibular Schwannoma Research

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## Materials

Name	Company	Catalog Number	Comments
BioCoat Poly-D-Lysine/Laminin 12 mm #1 German Glass Coverslip	Corning	354087	Or prepare coverslips with Corning Laminin (CB-40232) and Cultrex Poly-L-Lysine (3438-100-01)
CELLSTAR 15 mL Centrifuge Tubes, Conical bottom, Graduation, Sterile	Greiner Bio-One	188161	
CELLSTAR 50 mL Centrifuge Tubes, Conical bottom, Graduation, Sterile	Greiner Bio-One	227261	
CELLSTAR Cell Culture Dish, 60 mm	Greiner Bio-One	628160	
Collagenase from Clostridium histolyticum, Sterile-filtered	Sigma-Aldrich	C1639	
Costar 24 Well Clear TC-Treated Multiple Well Plates, Sterile	Corning	3526	
DAPI (4',6-Diamidino-2-Phenylindole, Dihydrochloride)	Thermo Fisher Scientific	D1306	
DMEM, high glucose, pyruvate, no glutamine, 500 mL	Thermo Fisher Scientific	10313-039	
DMEM/F-12, 500 mL	Thermo Fisher Scientific	11320-033	
Dumont #3 Forceps, Dumoxel	Fine Science Tools	11231-30	Autoclave prior to use
Dumont #5 Forceps, Standard tip, Inox	Fine Science Tools	11251-20	Autoclave prior to use
Fetal Bovine Serum, qualified, USDA-approved regions, 500 mL	Thermo Fisher Scientific	10437-028	Aliquot in 50 mL tubes and store in -20°C freezer
Hyaluronidase from Bovine Testes, Type I-S, Lyophilized Powder	Sigma-Aldrich	H3506	
Millex-GP Syringe Filter Unit, 0.22 µm, polyethersulfone, 33 mm, sterile	EMD Millipore	SLGP033RS	
Paraformaldehyde, Reagent Grade, Crystalline	Sigma-Aldrich	P6148	Prior to use: Establish Standard Operating Procedures based on protocols available online
PBS, pH 7.4, 500 mL	Thermo Fisher Scientific	10010-023	Autoclave prior to use
Penicillin-Streptomycin (10,000 U/mL), 100 mL	Thermo Fisher Scientific	15140-122	
PhosSTOP Phosphatase Inhibitor Tablets	Roche	04906845001	

Pierce Protease Inhibitor Tablets	Thermo Fisher Scientific	88666	
Pipettes and pipette tips, 5/10/25 mL	Variable	Variable	
Plastic Homogenization Pestle for 1.5/2.0 mL Microtubes	E&K Scientific	EK-10539	
PrecisionGlide Needles, 27 G x 1 1/2 in	BD	301629	
RIPA Buffer	Boston BioProducts	BP-115	
RNAlater (RNA stabilization solution)	Thermo Fisher Scientific	AM7021	
Safe-Lock Microcentrifuge Tubes, Polypropylene, 0.5 mL	Eppendorf	022363719	Autoclave prior to use
Safe-Lock Microcentrifuge Tubes, Polypropylene, 1.5 mL	Eppendorf	022363204	Autoclave prior to use
Saline - 0.9% Sodium Chloride Injection, bacteriostatic, 20 mL	Hospira	0409-1966-05	
Scalpel Blades - #15	Fine Science Tools	10015-00	
Schuknecht Suction Tube 24 gauge	Bausch + Lomb	N1698 42	Useful for the surgical approach (in addition to common otologic surgical instruments) and e.g. a blue surgical marker
Specimen Container, OR sterile, 4OZ	Medline	DYND30331H	
Stemi 2000-C Stereo Microscope	Zeiss	000000-1106-133	
Syringe/Needle Combination, Luer-Lok Tip, 5 mL, 22 G x 1 in.	BD	309630	
Tuberculin Syringe Only, Slip tip, 1 mL	BD	309659	
Tuberculin Syringe Only, Slip tip, 3 mL	BD	309656	
Ultrasonic homogenizer, 4710 Series, CV18 probe	Cole-Parmer	CP25013	