

Materials List for:

Primary Culture of Human Vestibular Schwannomas

Nathan M. Schularick¹, J. Jason Clark¹, Marlan R. Hansen¹

¹Department of Otolaryngology-Head and Neck, University of Iowa Hospitals and Clinics

Correspondence to: Marlan R. Hansen at marlan-hansen@uiowa.edu

URL: <https://www.jove.com/video/51093>

DOI: [doi:10.3791/51093](https://doi.org/10.3791/51093)

Materials

Name	Company	Catalog Number	Comments
Poly-L-Ornithine, 0.01% Solution	Sigma	P4957	Cell Culture Surface Treatment
Laminin mouse protein	Gibco	23017-015 / L2020	Cell Culture Surface Treatment
0.2% Collagenase (dissolved in HBSS-/-)	Sigma	C2674	Dissociation Reagent
0.25% Trypsin	Gibco	25200-056	Dissociation Reagent
TPS 100 mm round culture dish	Midwest Scientific	TP93100	
Permanox 4-well slide	Fisher Scientific	1256521	
Permanox 8-well slide	Fisher Scientific	1256522	
Suction filter flask	Midwest Scientific	TP99500	
15 ml Conical tube	Midwest Scientific	TP91015	
50 ml Conical tube	Midwest Scientific	TP91050	
2 ml Round bottom tube	USA Scientific	1620-2700	
Small scissors	FST	14058-11	
Small forceps	FST	11251-20	
Scalpel handle	FST	10004-13	
#11 Scalpel blade	Roboz	RS-9801-11	
Non-tissue culture 100 mm round Petri dish	Fisher Scientific	50-820-904	
P1000 Pipettman	Bioexpress	P3963-1000	
Serological pipettman	Bioexpress	R3073-2P	
Sterile, non-filtered P1000 pipette tips	Midwest Scientific	TD1250R	
Insulated ice cooler			
Culture hood	Baker		
Centrifuge	Eppendorf -5810R		
Hanks Balanced Salt Solution (HBSS)+/+ (w/ Ca ²⁺ , Mg ²⁺)	Gibco	24020-117	Schwannoma Culture and Media Components
Hanks Balanced Salt Solution (HBSS)-/- (w/o Ca ²⁺ , Mg ²⁺)	Gibco	14170-112	Schwannoma Culture and Media Components
Dulbecco's Modified Eagle Medium (DMEM), High Glucose, w/ Phenol Red	Gibco	11965-092	Schwannoma Culture and Media Components
N2 supplement	Gibco	17502-048	Schwannoma Culture and Media Components
Fetal Bovine Serum	Gibco	26140-079	Schwannoma Culture and Media Components
Penicillin/streptomycin	Gibco	15140-163	Schwannoma Culture and Media Components

Bovine insulin (1 mg/ml 200x)	Sigma	I6634	Schwannoma Culture and Media Components
-------------------------------	-------	-------	---