

Materials List for:

Three-dimensional Organotypic Cultures of Vestibular and Auditory Sensory Organs

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URL: <https://www.jove.com/video/57527>

DOI: [doi:10.3791/57527](https://doi.org/10.3791/57527)

Materials

Name	Company	Catalog Number	Comments
#10 Surgical Blades	Miltex	4-110	
#5 Forceps	Dumont	11252-20	
100 mm Petri dish	Sigma	P5856-500EA	
250 uL large orifice pipette tips	USA Scientific	1011-8406	
30 mm glass-bottom Petri dish	Matsunami Glass USA Corporation	D35-14-1.5-U	
4 well plate	Thermo Fisher Scientific	176740	
4-Hydroxytamoxifen	Sigma	H7904	
60 mm Petri dish	Thermo Fisher Scientific	123TS1	
Acetic acid	Sigma	537020	
Ad-GFP	Vector Biolabs	1060	
Anti-GFP, chicken IgY fraction	Invitrogen	A10262	
Anti-Myo7A	Proteus Biosciences	25-6790	
Anti-Sox2 Antibody (Y-17)	Santa Cruz	sc-17320	
Bicinchoninic acid assay	Thermo Fisher Scientific	23225	
Click-iT EdU Alexa Fluor 647 Imaging Kit	Thermo Fisher Scientific	C10340	
Collagenase I	Gibco	17100017	
D-glucose	Sigma	G8270	
DMEM/F12	Gibco	11320033	
Epidermal growth factor	Sigma	E9644	
Fetal Bovine Serum (FBS)	Thermo Fisher Scientific	16140063	
Fibroblast growth factor	Sigma	F5392	
Flaming/Brown Micropipette Puller	Sutter Instrument	P-97	
Glutamine	Sigma	G8540	
HBSS	Gibco	14025092	
Hemocytometer	Daigger	EF16034F	
HEPES	Sigma	H4034	
Insulin	Sigma	I3536	
Iridectomy scissors	Zepf Medical Instruments	08-1201-10	
Microinjector	Narishige	IM-6	
Nicotinamide	Sigma	N0636	
PBS (10X), pH 7.4	Gibco	70011044	
PBS (1X), pH 7.4	Gibco	10010023	

Phenol Red pH indicator	Sigma	P4633	
Pure Ethanol, 200 Proof	Decon Labs	2716	
RFP antibody	ChromoTek	5F8	
Sodium bicarbonate	Sigma	S5761	
Sodium hydroxide	Sigma	S8045	
Sodium selenite	Sigma	S5261	
Tabletop vortex	VWR	97043-562	
Transferrin	Sigma	T8158	
Trypan blue	Sigma	T6146	