

Materials List for:

Long-term Time Lapse Imaging of Mouse Cochlear Explants

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URL: <https://www.jove.com/video/52101>

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Materials

Name	Company	Catalog Number	Comments
Dulbecco's Modified Eagle media	Gibco	12430	Multiple brands manufacture this
Basement membrane extract	Corning	354230	Matrigel. Alternative similar products are available from other suppliers. http://catalog2.corning.com/Lifesciences/en-US/Shopping/Product.aspx?categoryname=Cell+Culture+and+Bioprocess%28Lifesciences%29 Extracellular+Matrix+Proteins+ECMs+and+Attachment+Factors%28Lifesciences%29 Matrigel+Basement+Membrane+Matrix+%28Lifesciences%29
Fetal bovine serum	Gibco	16000044	Multiple brands manufacture this http://www.lifetechnologies.com/search/global/searchAction.action?query=fbs&resultPage=1&resultsPerPage=15&autocomplete=
HEPES	Gibco	5630080	Multiple brands manufacture this http://www.lifetechnologies.com/search/global/searchAction.action?query=hepes&resultPage=1&resultsPerPage=15&autocomplete=
100 x N2 supplement	Gibco	17502-048	Multiple brands manufacture this http://www.lifetechnologies.com/search/global/searchAction.action?query=n2&resultPage=1&resultsPerPage=15&autocomplete=
Ciprofloxacin	Sigma Aldrich	17850-5G-F	Multiple brands manufacture this http://www.sigmaaldrich.com/catalog/product/fluka/17850?lang=en&region=CA
Hank's balanced salt solution	Gibco	14170161	Multiple brands manufacture this. Should be refidgerated before use. http://www.lifetechnologies.com/us/en/home/life-science/cell-culture/mammalian-cell-culture/reagents/balanced-salt-solutions/hbss-hanks-balanced-salt-solution.html?s_kwcid=AL!3652!3!26107410508!e!!g!!hbss&ef_id=xoFOglw2sUMAAMU8:20140228185720:s
Fine Forceps	Fine Science tools	11254-20	Size number 5 http://www.finescience.ca/Special-Pages/Products.aspx?ProductId=350&CategoryId=29

Curette	Fine Science Tools	10080-05	size 1 mm http://www.finescience.ca/Special-Pages/Products.aspx?ProductId=91&CategoryId=118
Insect Pins	Fine Science Tools	26001-35	Must be stainless Steel http://www.finescience.ca/Special-Pages/Products.aspx?ProductId=124
50 mm plastic dishes	Corning/Falcon	351006	Multiple brands manufacture this
charcoal	Sigma Aldrich	05105-250G	Multiple brands manufacture similar items http://www.sigmaaldrich.com/catalog/product/fluka/05105?lang=en&region=CA
184 silicone elastomer	Dow/Corning	SYLGARD® 184 SILICONE ELASTOMER KIT	Dishes are home made several weeks in advance. Silicone elastomer can be from any supplier. http://www.dowcorning.com/applications/search/products/Details.aspx?prod=01064291
Glass bottom dishes	MatTek	P35G-0-10-C	The dimensions of the dish are determined by the specifications of the imaging system. 35 mm diameter, 10mm well, number 0 coverslip fits Olympus Vivaview FL. http://glass-bottom-dishes.com/catalog/index.php?main_page=product_info&cPath=1_4_15&products_id=2
Stereomicroscope	Zeiss	495101-9804-000	Stemi 2000 model. multiple brands manufacture similar items http://microscopy.zeiss.com/microscopy/en_de/products/stereo-zoom-microscopes/stemi-2000.html
Cold Light Source	Zeiss	000000-1063-182	Multiple brands manufacture similar items http://microscopy.zeiss.com/microscopy/en_de/products/microscope-components/lightsources.html
Fluorescent Stereomicroscope	Leica microsystems	Contact Leica microsystems	Leica M165-FC. Multiple brands manufacture similar items http://www.leica-microsystems.com/products/stereo-microscopes-microscopes/fluorescence/details/product/leica-m165-fc/
Incubator Microscope +imaging software	Olympus	Contact Olympus	Inverted microcope sealed inside a Co2 incubator. Vivaview FL incubator microscope with propriety Metamorphoh imaging software. http://olympuscanada.com/seg_section/product.asp?product=1055&c=0
Clean bench	Thermo Scientific	51029701	Multiple brands manufacture similar items http://www.thermoscientific.com/en/product/heraguard-eco-clean-bench.html
CO2 incubator	Thermo Scientific	3310	Multiple brands manufacture similar items

			http://www.thermoscientific.com/en/products/co2-incubators.html
Laminar Flow hood	Thermo Scientific	51026651	Multiple brands manufacture similar items http://www.thermoscientific.com/en/products/biological-safety-cabinets-clean-benches.html