

Materials List for:

Giant Liposome Preparation for Imaging and Patch-Clamp Electrophysiology

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URL: <http://www.jove.com/video/50227>

DOI: [doi:10.3791/50227](https://doi.org/10.3791/50227)

Materials

Name	Company	Catalog Number	Comments
Digital Multimeter	Agilent Technologies, www.agilent.com	U1232A or similar	Any multimeter will do, but avoid old style analog ohmmeters which apply much more current to the resistance under test.
	Fluke	117 or 177	Any multimeter will do, but avoid old style analog ohmmeters which apply much more current to the resistance under test.
Function Generator	Agilent Technologies, www.agilent.com	33210A or similar	Most function generators work for simple protocols. This programmable model is useful for advanced electroformation protocols. Make sure the generator can drive 10 V peak-to-peak into a 50 Ω load
ITO coated glass slides	Delta Technologies, Loveland, CO www.delta-technologies.com	CB-90IN-S107 or similar	Break these in half to make two slides, 25 mm x 37 mm
Temperature controller	Omega Engineering Stamford, CT www.omega.com	CNI3233 or similar	
Hygrometer	Extech, Nashua, NH, www.extech.com	445815	
Silicone rubber sheet	McMaster-Carr Elmhurst, IL www.mcmaster.com	87315K64	Use USP Grade VI silicone for its high purity
EMI gasket	Laird Technologies www.lairdtech.com	4202-PA-51H-01800 or similar	Distributed by Mouser www.mouser.com
TxR-DHPE	Life Technologies, Carlsbad, CA www.lifetechnologies.com	T1395MP	Other fluorescently labeled lipids are available, but TxR-DHPE is one of the brightest and most photostable.
POPC	Avanti Polar Lipids, Alabaster, AL www.avantilipids.com	850457P or 850457C	Lipids can be ordered as powders (P) or in chloroform (C)
POPS	Avanti Polar Lipids	840034P/C	
Cholesterol	Sigma-Aldrich	C8667	