

Materials List for:

Microscale Vortex-assisted Electroporator for Sequential Molecular Delivery

Dwayne A. L. Vickers¹, Soojung Claire Hur¹

¹The Rowland Institute, Harvard University

Correspondence to: Soojung Claire Hur at hur@rowland.harvard.edu

URL: <https://www.jove.com/video/51702>

DOI: [doi:10.3791/51702](https://doi.org/10.3791/51702)

Materials

Name	Company	Catalog Number	Comments
MDA-MB-231 cancer cell line	American Type Culture Collection (ATCC)	HTB-26	
Leibovitz's L-15 Medium	Cellgro, Mediatech, Inc.	10-045-CV	
Fetal bovine serum (FBS)	Gibco, Life Technologies	16000-044	
Penicillin-streptomycin	Sigma-Aldrich	P4333	
Dulbecco's phosphate buffered saline (DPBS)	Cellgro, Mediatech, Inc.	21-030	
Trypsin	Gibco, Life Technologies	25200-056	
Flow Cytometer easyCyte HT	Millipore	0500-4008	
Oxygen Plasma Cleaner	Technics Micro-RIE		
Dektak 6M surface profiler	Veeco		
KMPR 1050	Microchem		
SYLGARD 184 SILICONE ELASTOMER KIT	Dow Corning		
Compressed Nitrogen gas	Airgas	NI 300	
High Pressure Regulator	McMaster-Carr	6162K22	
Downstream regulator	McMaster-Carr	4000K563	
High-speed 3/2way-8 valve manifold	Festo		
Inline Check Valve	Idex Health and Science	CV3320	
5/32" OD x 3/32" ID Polyurethan tubes	Pneumadyne	PU-156F-0	
1/4" OD X 0.17" ID Polyurethan tubes	Pneumadyne	PU-250PB-4	
1/16" PEEK tubings	Festo	P1533	
1/32" PEEK tubings	Idex Health and Science	P1569	
PEEK tubing unions	Idex Health and Science	P881	
Pulse Generator	HP	8110A	
Aluminum Wire	Bob Martin Company	6061 ALUM	
Oscilloscope	Agilent	DSO3062A	
50 ml centrifuge tubes	VWR	21008-178	
15 ml centrifuge tube	VWR	21008-216	
T75 culture flask	VWR	82050-862	
Dextran, Tetramethylrhodamine, 3,000 MW, Anionic	Gibco, Life Technologies	D3307	
Dextran, Tetramethylrhodamine, 70,000 MW, Neutral	Gibco, Life Technologies	D1819	

Dextran, Texas Red, 3,000 MW, Neutral	Gibco, Life Technologies	D3329	
--	--------------------------	-------	--