

Materials List for:

A Customizable Chamber for Measuring Cell Migration

Aniqa N. Chowdhury¹, Huu Tri Vo¹, Sharon Olang¹, Elliott Mappus¹, Brian Peterson¹, Nora Hlavac¹, Tyler Harvey¹, Delphine Dean¹

¹Department of Bioengineering, Clemson University

Correspondence to: Delphine Dean at finou@clemson.edu

URL: <https://www.jove.com/video/55264>

DOI: [doi:10.3791/55264](https://doi.org/10.3791/55264)

Materials

Name	Company	Catalog Number	Comments
Sylgard 184 Silicone Elastomer Kit	Sigma-Aldrich	761036	poly(dimethylsiloxane) 2-part kit including silicone elastomer base and silicone elastomer curing agent
Acrylic Sheets	US Plastic	44200	
Disposable Petri Dishes	Falcon	25373-041	
Fluorescein isothiocyanate–dextran	Sigma-Aldrich	FD20s-100MG	
Agarose, Type I, Low EEO	Sigma-Aldrich	A6013-100G	
Dulbecco's Modified Eagle's Medium	Fisher Scientific	11965092	Cell media components
Fetal Bovine Serum	Fisher Scientific	16000036	Cell media components
Penicillin-streptomycin	Fisher Scientific	15140148	Cell media components
Phosphate Buffered Saline (PBS)	Fisher Scientific	BP24384	
EVOS XL Cell Imaging System	Thermo Fisher Scientific	AME3300	Instrument used for taking time-lapse images
Versa Laser	Universal Laser Systems, Inc.	Model number VLS2.30	Laser cutter used for cutting plastic