

# Measuring Cell-Edge Protrusion Dynamics during Spreading using Live-Cell Microscopy

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## Materials

Name	Company	Catalog Number	Comments
10 cm cell culture plates	Greiner	P7612-360EA	
Bovine serum albumin (BSA)	Sigma-Aldrich	A7906	
Dulbecco's modified Eagle medium (DMEM)	Biological Industries, Israel	01-055-1A	Medium contains high glucose (4.5 g/L D-glucose)
Dulbecco's phosphate buffered saline (1xDPBS)	Biological Industries, Israel	02-023-1A	
Fetal bovine serum (FBS)	Biological Industries, Israel	04-001-1A	
Fibronectin from human plasma, liquid, 0.1%, suitable for cell culture	Sigma-Aldrich	F0895	
Glass bottom dishes	Cellvis	D35-20-1.5-N	35mm glass bottom dish, dish size 35 mm, well size 20mm, #1.5 cover glass (0.16-0.19 mm).
ImageJ software	NIH		Feely available at: <a href="https://imagej.nih.gov/ij/download.html">https://imagej.nih.gov/ij/download.html</a>
LAS-AF Leica Application Suite 3.2			Microscope acquisition software equipped with an ORCA-Flash 4.0 V2 digital CMOS
Leica AF6000	Leica		Inverted bright field microscope (40x, NA 1.3 ) equipped with phase-contrast optics, an incubator, and CO2 unit with LAS AF acquisition software equipped with an ORCA-Flash 4.0 V2 digital CMOS camera .
L-glutamine solution	Biological Industries, Israel	03-020-1B	
ORCA-Flash 4.0 V2 digital CMOS camera	Hamamatsu Photonics		
Penicillin-streptomycin solution	Biological Industries, Israel	03-031-1B	
Trypsin-EDTA solution B (0.25%), EDTA (0.05%)	Biological Industries, Israel	03-052-1A	