

Materials List for:

Automated Analysis of Dynamic Ca^{2+} Signals in Image Sequences

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Materials

Name	Company	Catalog Number	Comments
Dissection dish	Fisher Sci	#08-772-70	
Polydimethylsiloxane (PDMS)	Fisher Sci	#NC9644388	elastomer kit, must be molded into dishes
HEPES-buffered PSS	Sigma	#H3375-250G	HEPES acid
Stereomicroscope	Nikon Inst.	#MNA42000	
Forceps	Fine Science Tools	#11223-20	
Spring scissors	Fine Science Tools	15003-08	
Tungsten wire	Scientific Inst Svcs	#406	
Fluo-4 AM	Life Tech.	#F-14201	
Pluronic F-127	Life Tech.	#P3000MP	
Metal pins	Fine Science Tools	#26002-10	
Cover-glass bottom chamber			Custom designed
Spinning disc confocal microscope	Perkin Elmer	RS-3	
ImageJ software			download at: http://rsbweb.nih.gov/ij/download.html
LC_Pro plugin for imageJ			download at: http://rsbweb.nih.gov/ij/plugins/lc-pro/index.html
R software			download at: http://www.r-project.org/
R traceplot script			download at: https://docs.google.com/file/d/0B-PSp1D9e2fjV3NlcGppUzkxdEk/edit?usp=sharing