

Materials List for:

Improved Visualization and Quantitative Analysis of Drug Effects Using Micropatterned Cells

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Materials

Name	Company	Catalog Number	Comments
CYTOOchips 20x20 L-M-FN	CYTOO	10-114	CYTOOchips are available for adsorption of the protein of your choice
PBS 1x	GIBCO, by Life Technologies	14040-091	
Counting chamber (Kova slide)	Prolabo	71287.01	
DMEM/F-12 + Glutamax-I	GIBCO, by Life Technologies	25300-054	
FBS (f tal bovine serum)	PAA Laboratories	31331-028	
Penicillin & Streptomycin	PAA Laboratories	A15-101	
6 wells-plate	Dutscher	353046	
centrifuge	Fisher Scientific	M65838	
Microscope	Nikon Instruments		
Cytoskeleton Buffer 1X (CB)	Sigma-Aldrich	MES : M8250 KCl : I2636 MgCl : M2393 EGTA : E3889	10 mM MES pH 6.1, 138mM KCl, 3mM MgCl, 2mM EGTA
Sucrose	Sigma-Aldrich	S2395	
PFA 32 %	Electron Microscopy Sciences	15714	
PFA 5%			Mix 10 mL of PFA 32% with 54 mL of CB 1.185X
Triton-X100	Sigma-Aldrich	T9284	
PBS tablets	GIBCO, by Life Technologies	18912-014	
Bovin serum albumin (BSA)	Sigma-Aldrich	A7806	
Phalloidin-FITC	Sigma-Aldrich	P5282	
H-scht	Invitrogen	H3570	
Blebbistatin	Euromedex	BN0640	
DMSO	Sigma-Aldrich	D8418	
NH ₄ Cl 0.1M	Sigma-Aldrich	M11209	
Epifluorescent microscope	Nikon Instruments	Eclipse Ti	
CCD Camera	TBC	TBC	
ImageJ Software	 http://rsbweb.nih.gov/ij/		