

Materials List for:

Mammalian Cell Division in 3D Matrices Via Quantitative Confocal Reflection Microscopy

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Materials

Name	Company	Catalog Number	Comments
Human embryonic kidney 293T	ATCC		
MDA-MB-231	Physical Sciences Oncology Center, NIH		
DMEM	Corning	10-013-CV	
DMEM powder	ThermoFisher Scientific	12100-046	
Fetal bovine serum	Hyclone	SH30910.03	
Penicillin-Streptomycin 100X	Sigma-Aldrich	P0781	
Fugene HD	Promega	E2311	
Lipofectamine 2000	Life technologies	11668-07	
Plasmid encoding H2B-mCherry in a lentiviral vector	Addgene	plasmid 21217	
Thymidine	Sigma-Aldrich	T1895	
Nocodazole	Sigma-Aldrich	M1404	
Opti-MEM	Life Technologies	31985-070	
Sodium bicarbonate	GibcoBRL	11810-025	
HEPES	Sigma-Aldrich	113375-100	
Collagen	Corning	354236	
NaOH	J.T. Bake	3722-01	
Millex-HV syringe filter unit, 0.45-µm, PVDF, 33 mm	Millipore	SLHVM33RS	
Nikon TE2000E epifluorescence microscope	Nikon	TE2000E	
Cascade 1K CCD camera	Roper Scientific		
NIS-Elements AR imaging software	Nikon		
Nikon A1 confocal microscope	Nikon	A1	