

Materials List for:

# Examination of Mitotic and Meiotic Fission Yeast Nuclear Dynamics by Fluorescence Live-cell Microscopy

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URL: <https://www.jove.com/video/59822>

DOI: [doi:10.3791/59822](https://doi.org/10.3791/59822)

## Materials

Name	Company	Catalog Number	Comments
60x Plan Apochromat objective lens	Olympus	AMEP4694	
Adenine	Sigma	A-8751	
Agar	7558B	IB4917-10 kg	
Agarose	Sigma	A9539-500g	
Belly Dancer rotator	Stovall	US Patent #4.702.610	
Biotin	Sigma	B-4501	
Boric acid	Sigma	B-6768-5kg	
CaCl <sub>2</sub> ·2H <sub>2</sub> O,	Sigma	C3306-500G	
Citric acid	Sigma	C-0759	
Convolve 3D software plug-in	OptiNav, Inc.	n/a	
CoolSnap HQ CCD camera	Roper	n/a	
Cover slip	VWR	16004-302	
CuSO <sub>4</sub> ·5H <sub>2</sub> O,	END	CX-2185-1	
DeltaVision deconvolution fluorescence microscope	GE Healthcare/Applied Precision	n/a	
Diffraction PSF 3D software plug-in	OptiNav, Inc.	n/a	
Edinburgh minimal medium (EMM) Nitrogen	Sunrise	2023;1kg	
FeCl <sub>2</sub> ·6H <sub>2</sub> O	END	FX9259-04	
Glucose	Sigma	G-7021	
Heat plate	Barnstead	Thermo Lyne	
Histidine	Sigma	H8125-100g	
Huygens deconvolution software	SVI	n/a	
Imaris deconvolution software	Bitplane	n/a	
Incubator	Shell lab	#3015	
Inositol	Sigma	I-5125	
Iterative Deconvolve 3D software plug-in	OptiNav, Inc.	n/a	
KCl	Mallinckvadt	6858-04	
Lanolin	Sigma	L7387-1kg	
Leucine	Sigma	L8912-100g	
Lysine	Sigma	L5626-500g	
Malt extract (ME)	MP	4103-032	

MgCl <sub>2</sub> ·6H <sub>2</sub> O	AMRESCO	0288-500G	
MetaMorph	Molecular Devices	n/a	
Microscope slides	VWR	16004-422	
MnSO <sub>4</sub> ,	Mallinckvadt	6192-02	
Molybdic acid	Sigma	M-0878	
Na <sub>2</sub> SO <sub>4</sub>	Mallinckvadt	8024-03	
Nicotinic acid,	Sigma	N-4126	
Pantothenic acid	Sigma	P-5161	
Paraffin wax	Fisher	s80119WX	
Pombe glutamate medium (PMG)	Sunrise	2060-250	
softWorx v3.3 image processing software	GE Healthcare	n/a	
Sporulation Medium powder	Sunrise	1821-500	
Temperature controlled centrifuge	Beckman	Allwgra 6KR xentrifuge	
Uracil	AMRESCO	0847-500g	
Vaseline	Equaline	F79658	
Yeast extract	EMD	1.03753.0500	
Yeast extract plus supplements (YES)	Sunrise	2011-1kg	
ZnSO <sub>4</sub> ·7H <sub>2</sub> O	J.T.Baker	4382-04	