

Materials List for:

Computational Analysis of the *Caenorhabditis elegans* Germline to Study the Distribution of Nuclei, Proteins, and the Cytoskeleton

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Materials

Name	Company	Catalog Number	Comments
<i>C. elegans</i> strains: wild type (N2, Bristol), <i>mp-8(tm2435) I/ hT2[bli-4(e937) let-?(q782) qIs48] (I;III), cpb-3(bt17) I, glp-1 (e2141) III</i>	Caenorhabditis Genetics Center (CGC)		
OP50 <i>Escherichia coli</i> bacteria	Homemade		
Nematode Growth Media (NGM) plates	Homemade		
polyclonal rabbit anti-REC-8	SDIX	29470002	
Alexa 488 conjugated antibody raised in goat	ThermoFisher Scientific	A-21236	
Cytoskeletal dye phalloidin	ThermoFisher Scientific	A-12380	
DAPI	ThermoFisher Scientific	62248	
Poly-L-lysine	Sigma Aldrich	P5899	
Tetramisol	Sigma Aldrich	P5899	
MgSO ₄	Sigma Aldrich	M7506	
1M HEPES buffer, pH 7.4	Sigma Aldrich	G0887	
10X PBS pH 7.4	ThermoFisher Scientific	AM9625	
Tween-20	Sigma Aldrich	P1389	
EGTA	Sigma Aldrich	E3889	
37% Paraformaldehyde solution	Merck Millipore	1040031000	
Normal goat serum	Sigma Aldrich	G9023	
Fluoroshield fixing reagent	Sigma Aldrich	F6182	
Ethanol	Millipore	1009832511	
Methanol	Sigma Aldrich	34860	
20°C & 25°C incubator	Any brand		
Light microscope	Any brand		
Confocal microscope	Any brand (Leica, Zeiss)		
Computer equipped with Imaris suit 8.4.1 or later version, full licence to use the software and Matlab software.	Bitplane		
Phospho buffered saline, pH 7.4	Homemade		
Teflon microscope slides	Tekdon	941-322-8288	