

Materials List for

Detection of Mitophagy in *Caenorhabditis elegans* and Mammalian Cells Using Organelle-Specific Dyes

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Citation

Srivastava, V., Gross, E. Detection of Mitophagy in *Caenorhabditis elegans* and Mammalian Cells Using Organelle-Specific Dyes. *J. Vis. Exp.* (195), e65337, doi:10.3791/65337 (2023).

Date Published

May 19, 2023

DOI

10.3791/65337

URL

jove.com/video/65337

Materials

Name	Company	Catalog Number	Comments
Reagent or resource			
Analytical balance	Mettler-Toledo		
Bacto Agar	BD-Difco	214010	
Bacto Peptone	BD-Difco	211677	
Bacto Tryptone	BD-Difco	211705	
Bacto Yeast extract	BD-Difco	212750	
Calcium chloride	Sigma	C1016	
Carbonyl cyanide 4-(trifluoromethoxy)phenylhydrazone (FCCP)	Sigma	C2920	
Chemicals			
Cholesterol	Thermo Fisher	C/5360/48	
DMEM high glucose	Biological Industries	01-055-1A	
Double distilled water (DDW)			
Dulbecco's Phosphate Buffered Saline (PBS)	Biological Industries	02-023-1A	
FBS heat inactivated	Invitrogen	M7514	
Glutaraldehyde (25%)	Sigma	G5882	
HEPES Buffer 1 M	Biological Industries	03-025-1B	
L-glutamine	Biological Industries	03-020-1B	
Lysosome/Mitochondria/Nuclear Staining Cytopainter Reagent	Abcam	ab139487	
Magnesium Sulfate	Sigma	M7506	
Nonidet P 40	Sigma	74385	
Paraformaldehyde (16%)	Electron Microscopy Sciences	15720	
Poloxamer 188 Solution	Sigma	P5556	
Potassium dihydrogen phosphate	Millipore	1.04873.1000	
Potassium phosphate dibasic	Sigma	P3786	

SeaKem LE Agarose	Lonza	50004	
Sodium Chloride	Bio-Lab	1903059100	
Sodium Hydroxide	Gadot	1310732	
Sodium phosphate dibasic dodecahydrate	Sigma	4273	
Tetracycline hydrochloride	Sigma	87128-25G	
Trypsin-EDTA	Biological Industries	03-052-1A	
VL-850: 1,8-diaminooxy-octane	Patented		
Glass/Plastic Disposables			
0.22 µm syringe filter	Millex GV	SLGV033RS	
1.7 mL Micro Centrifuge Tubes	Lifegene	LMCT1.7B-500	
10 cm Petri plates	Corning	430167	
1,000 mL Erlenmeyer Flask	IsoLab, Germany		
15 mL Sterile Polypropylene tube	Lifegene	LTB15-500	
35 mm Petri dishes	Bar Naor	BN9015810	
500 mL vacuum filter/storage bottle system, 0.22 µm	Lifegene	LG-FPE205500S	
50 mL Sterile Polypropylene tube	Lifegene	LTB50-500	
Deckgläser Microscope cover glass 24 x 60 mm	Marienfeld	101152	
Glass test tubes (10 mL- 13 x 100 mm) Borosilicate glass	Pyrex	99445-13	
iBiDi 8 well µ-slides	iBiDi	80826	
Microscope cover glass 24 x 40 mm	Bar Naor	BN1052421ECALN	
Platinum iridium 0.25 mM wire	World Precision Instruments	PT1002	
Instruments			
Cell counter CellDrop BF	DeNovix	CellDrop BF-UNLTD	
Microspin FV-2400	Biosan	BS-010201-AAA	
Nikon Yokogawa W1 Spinning Disk confocal microscope with DAPI, FITC, and TRITC filters and bright-field, with a 60x CFI Plan-Apochromat Lambda type lens (air lens) and NIS-Elements software	Nikon	CSU-W1	
Olympus SZ61 stereo microscope	Olympus	SZ61	
pH meter	Mettler-Toledo	MT30019032	
Revolver Adjustable Lab Rotator	Labnet	H5600	