

Materials List for:

Methods to Study Changes in Inherent Protein Aggregation with Age in *Caenorhabditis elegans*

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URL: <https://www.jove.com/video/56464>

DOI: [doi:10.3791/56464](https://doi.org/10.3791/56464)

Materials

Name	Company	Catalog Number	Comments
Fernbach culture flask	Corning	4425-2XL	Pyrex, Capacity 2,800 ml, with 3 baffle indents
Membrane Screw Cap	Schott	1088655	GL45
Nutating Mixer	VWR	444-0148	
Separatory funnel	Nalgene	4300-1000	Capacity 1,000 ml
1 ml syringe	BD Plastipak	300013	
Gray needle, 27 G x ½ ", 0.4 mm x 13 mm	BD Microlance 3	300635	
Membrane filters 0.025 µm	Millipore	VSWP04700	
pH strip	Machery-Nagel	92110	pH-Fix 0-14
Protease Inhibitor Cocktail	Roche	4693132001	Complete Mini EDTA-free tablets
Octoxynol-9	Applichem	A1388	Triton X-100
4-Morpholineethanesulfonic acid (MES)	Sigma-Aldrich	M1317	
Nonylphenylpolyethylenglycol	Applichem	A1694	Nonidet P40 (NP40)
DNaseI	Roche	04716728001	recombinant, RNase free
RNaseA	Promega	A7973	solution
Total protein blot staining	ThermoFisher	S11791	Sypro Ruby protein blot stain
Total protein gel staining	ThermoFisher	S12001	Sypro Ruby protein gel stain
TCEP (tris (2-carboxyethyl) phosphine hydrochloride)	Serva	36970	
Iodoacetamide	Serva	26710	
Ammoniumbicarbonate	Sigma-Aldrich	09830	
Sequencing Grade Modified Trypsin	Promega	V5111	
Isobaric tags for relative and absolute quantitation	Sciex	4352135	iTRAQ Reagents Multiplex Kit
Centrifuge Avanti J-26XP	Beckmann Coulter	393126	
Ultracentrifuge Optima Max-XP	Beckmann Coulter	393315	
Centrifuge 5424R	Eppendorf	5404000413	
Centrifuge 5702	Eppendorf	5702000329	
Centrifuge Megafuge 40R	Thermo Scientific	75004518	
Concentrator Plus	Eppendorf	5305000304	Centrifugal evaporator
Fluorescent stereo-microscope M165 FC	Leica		With Planapo 2.0x objective

Dissection microscope	Leica		Leica S6E
High magnification microscope Zeiss Axio Observer Z1	Zeiss		With PlanAPOCHROMAT 20x objective and Zeiss Axio Cam MRm
Software			
Image analysis software	ImageJ		
Analysis of mass spectrometry data	Protein Prospector		http://prospector.ucsf.edu/prospector/mshome.htm
E.coli strain			
OP50	CGC		
RNAi bacteria			
L4440	Julie Ahringer RNAi library		
C. elegans mutants			
CF2253	CGC, strain name: EJ1158		Genotype: <i>gon-2(q388)</i>
C. elegans transgenics			
DCD214	Della David's lab at DZNE Tübingen		Genotype: <i>N2</i> ; <i>uqls24[Pmyo-2::tagrfp::pab-1]</i>
DCD215	Della David's lab at DZNE Tübingen		Genotype: <i>daf-2(e1370) III</i> ; <i>uqls24[Pmyo-2::tagrfp::pab-1]</i>