

Materials List for:

RNAi Feeding in Liquid Culture: A High-Throughput Method to Knockdown Gene Expression in *C. elegans*

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URL: <https://www.jove.com/t/20139>

DOI: [doi:10.3791/20139](https://doi.org/10.3791/20139)

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	1E+06	GL45
Nutating Mixer	VWR	444-0148	yes
Separatory funnel	Nalgene	4300-1000	Capacity 1,000 ml
1 ml syringe	BD Plastipak	3E+05	
Gray needle, 27 G x ½ ", 0.4 mm x 13 mm	BD Microlance 3	3E+05	
Membrane filters 0.025 µm	Millipore	VSWP04700	no
pH strip	Machery-Nagel	92110	pH-Fix 0-14
Protease Inhibitor Cocktail	Roche	5E+09	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	5E+09	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	9830	
Sequencing Grade Modified Trypsin	Promega	V5111	
Isobaric tags for relative and absolute quantitation	Sciex	4E+06	iTRAQ Reagents Multiplex Kit
Centrifuge Avanti J-26XP	Beckmann Coulter	4E+05	
Ultracentrifuge Optima Max-XP	Beckmann Coulter	4E+05	
Centrifuge 5424R	Eppendorf	5E+09	
Centrifuge 5702	Eppendorf	6E+09	
Centrifuge Megafuge 40R	Thermo Scientific	8E+07	
Concentrator Plus	Eppendorf	5E+09	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	no
E.coli strains			
OP50	CGC		
RNAi bacteria			
L4440	Julie Ahringer RNAi library		
C. elegans mutants			
CF2253	CGC, strain name: EJ1158	Genotype: gon-2(q388)	
C. elegans transgenics			
DCD214	Della David's lab at DZNE Tübingen	Genotype: N2; uqls24[Pmyo-2::tagrfp::pab-1]	
DCD215	Della David's lab at DZNE Tübingen	Genotype: daf-2(e1370) III; uqls24[Pmyo-2::tagrfp::pab-1]	