

Materials List for:

Dietary Supplementation of Polyunsaturated Fatty Acids in *Caenorhabditis elegans*

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Materials

Name	Company	Catalog Number	Comments
Bacto-Agar	Difco	214010	
Tryptone	Difco	211705	
NaCl	J.T. Baker	3624-05	
Tergitol	Sigma	NP40S-500mL	
Cholesterol	Sigma	C8667-25G	(5 mg/mL in ethanol)
MgSO ₄	J.T. Baker	2504-01	
CaCl ₂	J.T. Baker	1311-01	
K ₂ HPO ₄	J.T. Baker	3254-05	
KH ₂ PO ₄	J.T. Baker	3246-05	
Sodium dihomogamma linolenate	NuCHEK	S-1143	
Warm sterile Millipore water			
Sterile water for collecting worms			
Nuclease-free Water for DGLA stock solution	Ambion	AM9932	
Ampicillin	Fisher Scientific	BP1760-25	100 mg/ml in water (for RNAi plates)
Isopropyl-beta-D-thiogalactopyranoside (IPTG)	Gold Biotechnology	12481C100	1 M in water (for RNAi plates)
HSO ₄	J.T. Baker	9681-03	
Methanol	Fisher Scientific	A452-4	
Hexane	Fisher Scientific	H302-4	
diamidinophenylindole (DAPI)	Sigma	D9542	
VectaShield	Vector Laboratories	H-1000	
Glass Flask	Corning	4980-2L	
Autoclaveable Glass bottles with stirbars	Fisherbrand	FB-800	
Autoclaveable Glass Graduated Cylinder	Fisherbrand	08-557	
Stir Plate	VWR	97042-642	
Waterbath at 55+ °C	Precision Scientific Inc.	66551	
Screwcap Brown Glass Vial	Sun SRI	200 494	
Argon gas tank			
Automated Pipette aid	Pipette-Aid	P-90297	
Sterile Serological Pipettes (25 ml)	Corning	4489	

Bunsen Burner	VWR	89038-534	
Dissection microscope	Leica	TLB3000	
Silanized glass tube	Thermo Scientific	STT-13100-S	for FAMEs derivitization
PTFE Screw caps	Kimble-Chase	1493015D	
Clinical tabletop centrifuge	IEC		
GC Crimp Vial	SUN SRi	200 000	
GC Vial Insert	SUN SRi	200 232	
GC Vial cap	SUN SRi	200 100	
Gas Chromatograph	Agilent	7890A	
Mass Spectrometry Detector	Agilent	5975C	
Column for gas chromatography	Suppelco	SP 2380	30 m x 0.25 mm fused silica capillary column