

Materials List for:

Comprehensive Assessment of Germline Chemical Toxicity Using the Nematode *Caenorhabditis elegans*

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Materials

Name	Company	Catalog Number	Comments
60 mm Vented, sharp edge Petri dishes	Tritech	T3315	
Agar	Apex	20-274	
Axygen 96-well clear round bottom 2 ml polypropylene deep well plate	Corning	P-DW-20-C-S	
Bactopeptone	Apex	20-261	
Bacto-tryptone	Fisher Scientific	BP1421-2	
Bleach	Clorox		
Calcium chloride (CaCl ₂)	VWR	AA12316-A1	
Cholesterol	Fisher Scientific	ICN10138225	
DMSO	VWR	IC19018680	
<i>E. coli</i> (OP50)	Caenorhabditis Genetics Center		http://www.cbs.umn.edu/cgc
Ethanol 200 proof	VWR	EM-4455S	
Greiner CELLSTAR 384 well plates	Sigma-Aldrich	M1937-32EA	
ImageXpress Micro XLS System	Molecular Devices		
Levamisole hydrochloride	Fluka	31742	
Magnesium sulfate anhydrous (MgSO ₄)	VWR	97061-438	
MetaXpress High Content Image Acquisition & Analysis Software	Molecular Devices		
Potassium phosphate monobasic (KH ₂ PO ₄)	Sigma-Aldrich	P5655	
Rayon films for biological cultures	VWR	60941-086	
Sodium chloride (NaCl)	Sigma-Aldrich	S5886	
Sodium hydroxide (NaOH)	Fisher Scientific	S318	
Sodium phosphate dibasic (Na ₂ HPO ₄)	VWR	BDH0316	
Stereomicroscope	Nikon	SMZ 745	This microscope has a total magnification form 3.35X to 300X. Any microscope with similar characteristics will work.
TY2441 <i>C. elegans</i> , <i>Pxol-1::GFP</i> reporter strain	Caenorhabditis Genetics Center		http://www.cbs.umn.edu/cgc
Yeast extract	Becton Dickinson	212750	