

Materials List for

Caenorhabditis elegans as a Model System for Discovering Bioactive Compounds Against Polyglutamine-Mediated Neurotoxicity

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URL

jove.com/video/63081

Materials

Name	Company	Catalog Number	Comments
C. elegans strains			
AM141 rmls133 [<i>unc-54p::Q40::YFP</i>]	Caenorhabditis Genetics Center (CGC)		https://cgc.umn.edu/strain/AM141
HA759 rtls11 [<i>osm-10p::GFP + osm-10p::HtnQ150 + dpy-20(+)</i>]	Caenorhabditis Genetics Center (CGC)		https://cgc.umn.edu/strain/HA759
E. coli strains			
NA22	Caenorhabditis Genetics Center (CGC)		https://cgc.umn.edu/strain/NA22
OP50	Caenorhabditis Genetics Center (CGC)		https://cgc.umn.edu/strain/OP50
Reagent			
Agar	Shanghai EKEAR Bio-Technology Co., Ltd.	EQ1001-500G	https://www.ekear.com
Agarose	Biowest	111860	
Butanedione	Sinopharm Chemical Reagent Co., Ltd.	80042427	https://www.reagent.com.cn/goodsDetail/d027c00e64c9404d9aa41391fbb595d0
Cholesterol	Sigma-Aldrich	C8667	https://www.sigmaaldrich.cn/CN/zh/product/sigma/c8667?context=product
Glycerol	Aladdin Co., Ltd.	G116203	https://www.aladdin-e.com/zh_cn/g116203.html
Peptone	Guangdong HuanKai Microbial Science and Technology Co., Ltd.	050170B	https://www.huankai.com/show/21074.html
Sodium azide	Sinopharm Chemical Reagent Co., Ltd.	80115560	https://www.reagent.com.cn/goodsDetail/5e981aa807664e26af551e96ff5f07cd

Sodium hydroxide	Sinopharm Chemical Reagent Co., Ltd.	10019718	https://www.reagent.com.cn/goodsDetail/450dfdb1132a4d8a817d3d8c68ec25e6
Sodium hypochlorite solution	Guangzhou Chemical Reagent Factory	7681-52-9	http://www.chemicalreagent.com/product/DetailProduct.aspx?id=125
Tryptone	Oxoid Ltd.	LP0042B	https://www.thermofisher.cn/order/catalog/product/LP0042B#/LP0042B
Yeast extract	Oxoid Ltd.	LP0021B	https://www.thermofisher.cn/order/catalog/product/LP0021B#/LP0021B
Equipment			
384-well cell culture plate	Nest Biotechnology Co., Ltd.	761001	https://www.cell-nest.com/page94?_l=en&product_id=85
48-well cell culture plate	Nest Biotechnology Co., Ltd.	748001	https://www.cell-nest.com/page94?_l=en&product_id=85
90 mm Petri dish	Sangon Biotech (Shanghai) Co., Ltd.	F611003	https://www.sangon.com/productDetail?productInfo.code=F611003
Autoclave	Panasonic	MLS-3781L-PC	
Dissecting microscope	ChongQing Optical Co., Ltd.	ZSA0745	http://www.coicuop.com/plus/view.php?aid=64
Fluorescence microscope	Guangzhou Micro-shot Optical Technology Co., Ltd.	Mshot MF31-LED	https://www.mshot.com/article/442.html
High-content imaging system	Molecular Devices	ImageXpress	https://www.moleculardevices.com/products/cellular-imaging-systems#High-Content-Imaging
Microcentrifuge	GeneCompany	GENESPEED X1	https://www.genecompany.com/index.php/Home/Goods/goodsdetails/gid/189.html
Microscope digital camera	Guangzhou Micro-shot Optical Technology Co., Ltd.	MS60	https://www.mshot.com/article/677.html
Microwave	Midea Corp.	M1-211A	https://www.midea.cn/10000/1000000000100511264425.html
Parafilm M	Sigma-Aldrich	P7793-1EA	https://www.sigmaaldrich.cn/CN/en/product/sigma/p7793?context=product
Shaker	Zhicheng Inc.	ZWY-2102C	http://www.zhicheng.net/Product/0865291356.html
Software			
Image acquisition and analysis software	Molecular Devices	MetaXpress	https://www.moleculardevices.com/products/cellular-imaging-systems/acquisition-and-analysis-software/metaxpress
OriginPro	OriginLab Corp.	Version 9.8.5.204	<p>1. Software introduction: https://www.originlab.com/index.aspx?go=Products/Origin</p> <p>2. Instruction for creating a radar chart: https://www.originlab.com/doc/Origin-Help/RadarChart-Graph</p> <p>3. Video tutorial for creating a radar chart: https://www.originlab.com/videos/details.aspx?pid=1813</p>