

Materials List for

# Culture and Assay of Large-Scale Mixed-Stage *Caenorhabditis elegans* Populations

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## Citation

Shaver, A.O., Gouveia, G.J., Kirby, P.S., Andersen, E.C., Edison, A.S. Culture and Assay of Large-Scale Mixed-Stage *Caenorhabditis elegans* Populations. *J. Vis. Exp.* (), e61453, doi:10.3791/61453 (2021).

## Date Published

May 5, 2021

## DOI

10.3791/61453

## URL

jove.com/video/61453

## Materials

Name	Company	Catalog Number	Comments
10 mL Sterile Serological Pipettes	VWR	89130-898	
10 ul pipette tips	VWR	89079-438	
100 ul pipette tips	VWR	89079-442	
1000 mL Graduated Cylinder	VWR	10124-380	
1000 ul pipette tips	VWR	89079-488	
15 mL conical tubes	VWR	89039-668	
190 Proof Ethanol	VWR	89125-166	
2 L Wide Neck Erlenmeyer Flask	VWR	75804-654	
50 mL conical tubes	VWR	75874-294	
Agar	Sigma	05040-100G	
Agarose	Sigma	A9539-500G	
BVC Control G Fluid Aspiration System	Vacuubrand		
Calcium Chloride	Sigma	449709-10G	
Cholesterol	Sigma	C3045-25G	
Clorox Bleach	VWR	89414-502	
Conviron Control Temperature Room	Conviron		<a href="https://www.conviron.com/environmental-rooms">https://www.conviron.com/environmental-rooms</a>
Corning Low Volume 384 Well Black with Clear Flat Bottom Polystyrene TC-Treated Microplate	VWR	89089-866	
Fisher Scientific Accuspin 3R	Fisher		
Flat-Bottom 24-Well Plate	VWR	29443-952	
Honeywell True HEPA Purifier 465 sq ft.	Home Depot	204390560	
HT115 <i>E. coli</i> (DE3)	CGC	HT115(DE3)	<a href="https://cgc.umn.edu/strain/HT115(DE3)">https://cgc.umn.edu/strain/HT115(DE3)</a>
Kimwipes	VWR	470224-038	

Large Scale Culture Plate (LSCP)	Pyrex	1090948	Pyrex 2-quart Glass Baking Dish with Red Lid
Magnesium Sulfate	Sigma	C86677-25G	
MgSO <sub>4</sub>	VWR	97062-998	
Microscope Plain Slides	VWR	16004-422	
Millipore Filter	Millipore	1.11727.2500	
Molecular Devices ImageXpress	Molecular Devices	Model Number:IXMConfocal	<a href="https://www.moleculardevices.com/products/cellular-imaging-systems/high-content-imaging/imagexpress-micro-confocal#ref">https://www.moleculardevices.com/products/cellular-imaging-systems/high-content-imaging/imagexpress-micro-confocal#ref</a> , Authors used MetaXpress Software Version 6.5.4.532
Nystatin (10mg/mL)	Sigma	N6261-25MU	
Peptone	Sigma	P7750-100G	
Petri Dishes (6 cm)	VWR	25384-092	
Pipette Controller	VWR	613-4180	
Potassium Chloride	Fisher	P217-3	
Potassium Phosphate Monobasic	VWR	0781-500G	
Potassium Hydroxide	Fisher	P250-500	
Red Fluorescent Microspheres	Polysciences	19507-5	
Sodium Chloride	Sigma	746398-500G	
Sodium Hydroxide	Fisher	111357	
Sodium Phosphate Dibasic Anhydrous	Fisher	BP332-500	
Standard Gilson Pipette Set	Gilson	FA10002M, FA10004M, FA10006M	
Streptomycin (100mg/mL)	Sigma	S6501-25G	
Union Biometrica COPAS BioSorter	Union Biometrica		<a href="https://www.unionbio.com/biosorter/">https://www.unionbio.com/biosorter/</a> , authors used: Flow Pilot software version 1.6.1.3.