

JAN 22, 2024

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External link:

http://www.wormbook.org/chapter s/www_strainmaintain/strainmaint ain.html

Protocol Citation: Adrien Assie, Buck Samuel 2024. S-Complete Medium. **protocols.io** https://protocols.io/view/scomplete-medium-zzaf72e

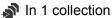
MANUSCRIPT CITATION:

Lewis, J.A. and Fleming, J.T. (1995). In: Methods in cell biology, Vol. 48, H.F. Epstein and D.C. Shakes, eds. (San Diego: Academic Press), p. 3.

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Protocol status: Working

S-Complete Medium



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DISCLAIMER

We are not the author of this protocol. It was first described in Lewis and Fleming (1995). Protocol inspired from the one available on the Wormbook website.

ABSTRACT

Large quantities of *C. elegans* can be grown in a liquid medium. Liquid cultures of *C. elegans* are usually grown on S Medium using concentrated *E. coli*OP50 as a food source. This is the S-Complete medium recipe.

Created: Apr 10, 2019

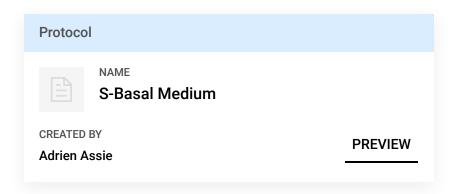
Last Modified: Jan 22, 2024

PROTOCOL integer ID: 22274

Keywords: C. elegans, Liquid

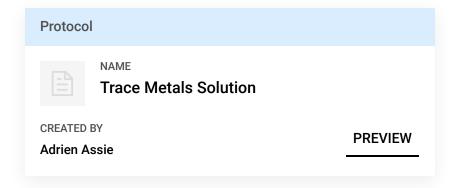
culture, S medium

1 ___ 977 mL of S-Basal medium (Link below)



- 1.1 Start with A 700 mL water
- 1.2 Д 5.9 g NaCl ([м] 100 millimolar (mM)
- - △ 1 g K2 HPO4 and △ 6 g KH2PO4
- 1.4 Adjust water to 4 1000 mL

- 1.5 Autoclave
- 2 I mL of 5 mg/ mL cholesterol (dissolved in Et-OH)
- 3 ____ 10 mL of [M] 1 Molarity (M) Potassium Citrate Buffer, pH 6.0
- 4 I 10 mL of Trace metals solution (sterile)



- 4.1 Start with **A** 700 mL water

- 4.7 Adjust to 🚨 1000 mL water
- **4.8** Autoclave and store in the dark
- 5 A 3 mL of [M] 1 Molarity (M) CaCl2 (sterile)
- 6 A 3 mL of [M] 1 Molarity (M) MgSO4 (sterile)