Trace Metals Solution

In 1 collection

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External link:
http://www.wormbook.org/chapters/www_strainmaintain/strainmaintain.html

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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.

Protocol status: Working

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 Trace Metals solution recipe to complement the S complete medium solution.

GUIDELINES

Store in dark or light protected bottle

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Keywords: C. elegans, S
medium, liquid culture

1 Start with 700 mL water

2 10 mL of *500 mM EDTA, pH 8.0 or 1.86 g Na2EDTA.2H2O (5 mM)

3 0.69 g FeSO4 ·7H2O (2.5 mM)

4 0.20 g MnCl2 · 4H2O (1 mM)

5 0.29 g ZnSO4 ·7H2O (1 mM)

6 0.016 g CuSO4 (0.1 mM)

7 Adjust to 1000 mL water

8 Autoclave and store in the dark