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NGM Agar

In 1 collection

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Adrien Assie: I am not the author of this protocol. This is a standard protocol for C. elegans maintenance available on wormbook.

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OPEN ACCESS

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

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Brenner, S. (1974). Genetics 77, 71.

Protocol status: Working
We use this protocol and it's working

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Keywords: C. elegans, Growing media, Caenorhabditis , nematode

Disclaimer

This is a standard protocol for C. elegans maintenance available on wormbook.

Abstract

NGM agar recipe from wormbook

1 Start with 975 mL water

2 3.0 g NaCl

3 2.5 g Peptone

4 17 g Agar

5 Autoclave with stir bar

6 Cool to 55 °C (faster in water bath)

7 Then add the following while stirring on heat plate (DO NOT OVERHEAT)

8 0.5 mL of [M] 1 Molarity (M) CaCl2 (sterile)

9 1 mL of 5 mg/mL Cholesterol (dissolved in ethanol)

10 1 mL of [M] 1 Molarity (M) MgSO4 (sterile)

11 25 mL of [M] 1 Molarity (M) Potassium Phosphate Buffer, pH 6.0 (sterile)

12 Pour into petri dishes using sterile technique
- 60 mm dishes = About 7 mL per plate
- 100 mm dishes = About 20 mL per plate