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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 worm book.

1 *Works for me* Share

dx.doi.org/10.17504/protocols.io.zy7f7zn

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DISCLAIMER

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

ABSTRACT

NGM agar recipe from wormbook

DOI

dx.doi.org/10.17504/protocols.io.zy7f7zn

EXTERNAL LINK

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

PROTOCOL CITATION

Adrien Assie, Buck Samuel 2021. NGM Agar. **protocols.io** https://dx.doi.org/10.17504/protocols.io.zy7f7zn

MANUSCRIPT CITATION please remember to cite the following publication along with this protocol

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

COLLECTIONS

Samuel Lab Media and Buffers

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C. elegans, Growing media, Caenorhabditis , nematode

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Apr 10, 2019

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22271

PARENT PROTOCOLS

In steps of

Caenorhabditis elegans strain freezing procedure

Part of collection

Samuel Lab Media and Buffers

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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 **1 Molarity (M)** CaCl2 (sterile)

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

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10 **1 mL** of **1 Molarity (M)** MgSO4 (sterile)

11 **25 mL** of **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

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