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Version 2

Preparation of M9 worm buffer V.2

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Protocol status: Working

We use this protocol and it's working

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Abstract

Preparation of M9 worm buffer, used to maintain *Caenorhabditis elegans* in liquid for short periods of time.

Protocol taken from the WormBook Methods

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

Materials

Our references (also check our magnesium sulfate solution protocol):

Monopotassium phosphate (KH_2PO_4):

 Potassium phosphate monobasic **Merck MilliporeSigma (Sigma-Aldrich) Catalog #795488-500G**

Disodium phosphate dihydrate ($\text{Na}_2\text{HPO}_4 \cdot 2\text{H}_2\text{O}$):

 Sodium phosphate dibasic dihydrate **Merck MilliporeSigma (Sigma-Aldrich) Catalog #71643-250G**

Sodium chloride (NaCl):  Sodium chloride **Merck MilliporeSigma (Sigma-Aldrich) Catalog #S5886-1KG**



- 1 Add  3 g ± 0.03 of monopotassium phosphate (KH_2PO_4) in a 1L clean bottle.
- 2 Add  7.52 g ± 0.05 of disodium phosphate dihydrate ($\text{Na}_2\text{HPO}_4 \cdot 2\text{H}_2\text{O}$).
- 3 Add  5 g ± 0.05 of sodium chloride (NaCl).
- 4 Add  1 L of milliQ water.
- 5 Autoclave.
- 6 Add  1 mL of magnesium sulfate solution. Our protocol for making this solution can be found here:

Protocol

NAME

Preparation of 1M magnesium sulfate solution (MgSO_4)

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Preview