M9 Minimal Media

Dr. Steven Wilhelm

Abstract

Please contact Dr. Steven Wilhelm (wilhelm@utk.edu) for additional information regarding this protocol

Modified from Pardee, A. B., F. Jacob, and J. Monod. 1959. The genetic control and cytoplasmic expression of "inducibility" in the synthesis of ß-galactosidase in E. coli. J. Mol. Biol. 1:165-178

Citation: Dr. Steven Wilhelm M9 Minimal Media. **protocols.io**
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Protocol

Step 1.

Add 200 mL 5x M9 salts to a clean media bottle

PROTOCOL

. M9 Salts

CONTACT: Steven Wilhelm

Step 1.1.

Add 1 L dH_2O to a clean media bottle

Step 1.2.

Add 64 g Na_2HPO_4-$7H_2O$

REAGENTS

Disodium hydrogen phosphate by Contributed by users

Step 1.3.

Add 15 g KH_2PO_4

REAGENTS

Potassium phosphate (monobasic) View by P212121

Step 1.4.

Add 2.5 g NaCl

READEGENTS
Sodium Chloride PubChem CID: 5234 by Contributed by users

Step 1.5.

Add 5 g NH_4Cl

READEGENTS
Ammonium Chloride View by P212121

Step 1.6.

Autoclave at 121°C for 20 m

Step 2.

Add 2 mL 1 M $MgSO_4$

READEGENTS
Magnesium sulfate heptahydrate by Contributed by users

Step 3.

Add 1 mL 0.1 M $CaCl_2$

READEGENTS
Calcium Chloride by Contributed by users

Step 4.

Add sterile dH_2O to bring solution to 1 L final volume

Step 5.

Autoclave at 121ºC for 20 m