



Aug 12, 2024

Supplemented M9 media V.1

This protocol is a draft, published without a DOI.

Wolfram Moebius¹

¹University of Exeter



Brandon Tuck

OPEN  ACCESS



Protocol Citation: Wolfram Moebius 2024. Supplemented M9 media. protocols.io <https://protocols.io/view/supplemented-m9-media-bdj8i4rw>

License: This is an open access protocol distributed under the terms of the [Creative Commons Attribution License](#), which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited

Protocol status: Working

We use this protocol and it's working

Created: March 12, 2020

Last Modified: August 12, 2024

Protocol Integer ID: 34144

Abstract

Supplemented M9 media



Materials

MATERIALS



Thiamine HCl **P212121**



Glucose **Sigma Aldrich Catalog #G8270**



Calcium Chloride **Sigma Aldrich Catalog #C4904**



Magnesium sulfate **Sigma – Aldrich Catalog #M7506**



Bacto™ Casamino Acids **Thermo Fisher Catalog #223050**



M9 Minimal Salts 5X **Sigma Aldrich Catalog #M9956**



1


For 500 mL need:

Dissolve 56.4 g M9 salts (5X) in MilliQ water, make up to 1L and autoclave

Dissolve 10 g of casamino acids in MilliQ water, make up to 10 mL and filter with a

 0.45 µm filter

- 5 mL 40% w/v glucose, autoclaved
- 1 mL 1M MgSO₄, filter sterilised
- 50 µL 1M CaCl₂, filter sterilised
- 50 µL 1% w/v thiamine hydrochloride, filter sterilised
- RO water up to 500mL, autoclaved

Add ingredients to a sterile 500 mL bottle, if any salts precipitate heat to  80 °C and swirl until dissolved.