

M9 media recipe

Here we describe the M9 media we used for our RBS characterization experiment.

Composition for 1L of medium:

Component	Amount needed
5x M9 salts	11.28 g
Glucose Monohydrat	8g
0,1% Vitamin B1 (Thiamin)	3.4ml
1M MgSO ₄	2ml
1M CaCl ₂	100µl
MilliQ water	to 1L

M9 salts can either be bought as a premix or mixed by hand.

Vitamin B1, MgSO₄ and CaCl₂ solutions should be prepared and filter sterilized prior.

Protocol:

- Mix the salts and the carbon source in 800ml of MilliQ water
- Begin agitation of the medium to allow proper mixing of the other compounds
- Add the Vitamin B1 and the MgSO₄ solution
- Very carefully add the CaCl₂ solution dropwise
- Fill to 1L with MilliQ water
- Filter sterilize