



Cellobiose Media Generation

2017 Protocols

Purpose:

The purpose of this protocol is to create solid growth media containing cellobiose to measure beta-glucosidase activity.

Required Materials:

- 200 mL sterile M9 Salts (refer to M9 Salt protocol)
- 2 mL 1M MgSO_4
- 1 mL 0.1M CaCl_2
- 4g D-Cellobiose
- 4g Agar
- Up to 1000 mL dH_2O

Procedure:

Detailed procedure goes here. A detailed procedure should be the following:

1. Filter sterilize 0.1M CaCl_2 solution and 1M MgSO_4 with 0.2 μm filter.
2. Mix all contents besides the salts together, adding the cellobiose slowly and with vigorous stirring.
3. Autoclave solution at 121°C. Refer to your lab's safety protocols regarding autoclaving.
4. Add salts once autoclaved media has cooled to $\sim 55^\circ\text{C}$ and pour onto sterile petri plates.
5. Let plates cool completely before drying. To dry, let plates sit media side up in a 37°C incubator overnight.