



Congo Red Media Generation

2017 Protocols

Purpose:

Purpose of this protocol is to generate solid growth media containing congo red to assay endoglucanase activity.

Required Materials:

- KH_2PO_4 0.5 g
- MgSO_4 0.25 g
- Carboxymethylcellulose (Avicel) 2g
- Agar 15 g
- 0.5 % Congo Red in dH_2O 4 mL
- Gelatin 2 g
- Distilled water 1 L
- Glucose 8 g
- 100mm x 15mm clear and sterile petri plates

Procedure:

1. Combine salts, carboxymethylcellulose, agar, congo red solution, gelatin, glucose, and water together.
2. Autoclave media until sterile. Refer to your lab safety protocols regarding autoclaving.
3. Let cool to $\sim 55^\circ\text{C}$ before pouring into sterile petri plates.
4. Let plates cool completely before drying. To dry place petri plates media side up in a 37°C incubator overnight.