

1% CMC-Plates with 1mM of IPTG

Introduction

For 500 ml of agar with 1% (w/v) of CMC and 1mM of IPTG. Using reagents of Department of Chemical Technology.

Some notes taken from here: https://books.google.fi/books?id=SVES5qWtqIUC&pg=PA265&lpg=PA265&dq=1%25+cmc+plate&source=bl&ots=37ig9XK040&sig=FUpvQJpKcTk2gyMue2zC_me93x4&hl=en&sa=X&ved=0CFIQ6AEwB2oVChMIqlz4uoGAxwIVRPRyCh3VtwWn#v=onepage&q=1%25%20cmc%20plate&f=false

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Materials

- › 500 ml agar
- › Crystallized CMC-substrate
- › IPTG base stock (500 mg/ml)

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Procedure

1. Weigh 5 g of CMC-powder and dissolve it with 30 ml of ion-free water

Dissolving can be enhanced with the microwave

2. Sterilize the dissolved substrate-mix with the autoclave
3. Melt the agar with the microwave until the solution is clear
4. When the solution can be touched with bare hands, add the dissolved CMC and 2µl of IPTG base liquid
5. Label the agar plates with 25ml of solution