

Preparation of methocel stock solution

1. Autoclave 6 g of methylcellulose in a 500 mL bottle with a magnetic stirrer.
2. Heat 500 mL of endothelial cell basal medium (EBM) to 60 °C and dissolve the methylcellulose without temperature control.
3. Transfer the solution sterilely into 50 mL tubes and centrifuge at 5000 x g for 3 h. This is to separate the undissolved cellulose components.
4. Withdraw the upper viscous supernatant as methocel stock solution and transfer it into new sterile 50 mL tubes. Approximately 10 mL will remain in the centrifuged tube, which should be discarded.
5. Store the stock solution at 4 °C.