



# Difco® Sporulation Medium (DSM)

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## Materials

- Peptone
- Meat extract
- KCl
- $\text{MgSO}_4$  (1M)
- $\text{MnCl}_4$  (10mM)
- $\text{CaCl}_2$  (1M)
- $\text{FeSO}_4$  (1mM)
- $\text{H}_2\text{O}_d$
- Becker
- Measuring cylindre

## Apparatus

- Autoclave
- Flow chambre
- Digital analytical balance

## Method

1. Add 5 g of peptone, 3 g of meat extract, 1 g of KCl, 1 mL of  $\text{MgSO}_4$  and 1 mL of  $\text{MnCl}_4$ .
2. Dissolve components in 1000 mL of  $\text{H}_2\text{O}_d$  (q.s.)
3. Sterilize by autoclaving for 20 minutes.
4. After autoclave, add 0.5 mL of  $\text{CaCl}_2$  and 1 mL of  $\text{FeSO}_4$  in the medium, inside the flow chamber.