

Chloramphenicol plates

Introduction

Materials

- › 500 ml ready-made agar
- › Chloramphenicol stock 34 mg/ml
- ›

Procedure

Making off

1. Melt the agar. TIP: reduce the power to 50 W and melt for 5-6 min.
2. Let the agar cool down to 55 C.
3. Add chloramphenicol: 368 μ l stock to 500ml agar. Calculation:

$$34000 \mu\text{g/ml} \cdot x = \frac{25 \mu\text{g/ml} \cdot 500 \text{ml}}$$

$$x = \frac{25 \mu\text{g} \cdot 500}{34000 \mu\text{g/ml}}$$

$$= 0,3676 \text{ml}$$

$$\approx \del{370 \mu\text{l}}$$

$$\approx 368 \mu\text{l}$$

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$$\frac{25 \mu\text{g} \cdot 450}{34000 \mu\text{g/ml}} = 0,331 \text{ml}$$

$$= \underline{331 \mu\text{l}}$$

65% glycerol
1M CaCl_2