

Antibiotic for Plasmid Selection

Chloramphenicol stock solution (10^5 ppm)

Antibiotic for plasmid selection → confers to chloramphenicol resistance.

Materials

Chloramphenicol

Absolute ethanol

10 mL sterile syringe

Sartorius syringe filter holder (0.20 μ M)

1.5 mL sterilized tube

Method

- Dissolve 1 gram of chloramphenicol in 10 mL absolute ethanol.
- Filter sterilize using membrane millipore (0.20 μ M).
- Aliquot 1 mL of solution into 1.5 mL sterilized tube.
- Chloramphenicol solution is ready to use or store at -20°C cabinet for preservation.

Kanamycin sulfate stock solution (10^5 ppm)

Antibiotic for plasmid selection → confers to kanamycin resistance.

Materials

Kanamycin sulfate

De-ion water

10 mL sterile syringe

Sartorius syringe filter holder (0.20 μ M)

1.5 mL sterilized tube

Method

- Dissolve 1 gram of kanamycin sulfate in 10 mL sterilized de-ion water.
- Filter sterilize using membrane millipore (0.20 μ M).
- Aliquot 1 mL of solution into 1.5 mL sterilized tube.
- Kanamycin solution is ready to use or store at -20°C cabinet for preservation.

Ampicillin stock solution (10^5 ppm)

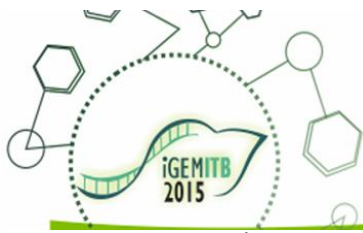
Antibiotic for plasmid selection → confers to ampicillin resistance.

Materials

Ampicillin

De-ion water





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10 mL sterile syringe

Sartorius syringe filter holder (0.20 μM)

1.5 mL sterilized tube

Method

1. Dissolve 1 gram of ampicillin in 10 mL sterilized de-ion water.
2. Filter sterilize using membrane millipore (0.20 μM).
3. Aliquot 1 mL of solution into 1.5 mL sterilized tube.
4. Ampicillin solution is ready to use or store at -20°C cabinet for preservation.

