



23184

M9 Minimal Salts 5X

Part D

Specifications

| | |
|--|--|
| Appearance (Colour) | White to off-white |
| Appearance (Form) | Free flowing, homogeneous powder |
| Solubility | 56.40 gm/liter |
| Solubility | Colorless, clear solution with no significant precipitate |
| pH (25°C) | 6.8 ± 0.2 |
| Prepared Medium Appearance after autoclaving (Clarity) | Clear with no significant precipitate |
| Prepared Medium Appearance after autoclaving (Colour) | Colourless |
| Cultural Response | Prepare the medium and dilute to 1X. Supplement with glucose as given in the directions. Incubate at 35 ± 2°C for 18-48 hours. |
| Organism | Escherichia coli ATCC 25922 |
| Inoculum (cfu) 10-100 | Growth : Good |
| Organism | Escherichia coli ATCC 23724 |
| Inoculum (cfu) 10-100 | Growth : Good |

Other Information

Applications

For the cultivation of recombinant strains of Escherichia coli.

Composition

| Ingredients | gm/lt. |
|-------------------------------|--------|
| Disodium phosphate, anhydrous | 33.90 |
| Sodium chloride | 2.50 |
| Monopotassium phosphate | 15.00 |
| Ammonium chloride | 5.00 |

Directions

1. Add 56.40 gm powder to distilled/purified water.
2. Bring volume to 1.0 liter and mix thoroughly.
3. Autoclave at 121°C at 15 psi for 15 minutes.
4. To prepare M9 Minimal salts medium, add 200 ml M9 Minimal Salts, 5X to 750 ml sterile distilled water.
5. Cool to 45-50°C. Adjust final volume to 1.0 liter.
6. Aseptically add 20 ml of filter sterilized 20% glucose solution and, if desired 0.1 ml sterile 1.0 M Calcium chloride solution. Mix well.
7. If desired, supplement with amino acids.

General Information

| | |
|---------------------|---------------------------------------|
| Storage | 8 to 25°C (Cool & Dry Area) |
| IMDG Identification | Not Regulated for Transport (Non-Haz) |

HSN Code

100 Gms 38210000 (GST 18%)

500 Gms 38210000 (GST 18%)

Type of Packing

100 Gms Plastic Bottle

500 Gms Plastic Bottle

Available Packages

100 Gms

500 Gms

Disclaimer

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608-B, Satellite Gazebo, Andheri Ghatkopar Link Road, Chakala, Andheri (E), Mumbai - 400 099, Maharashtra, India. Telephone: +91-22-4268 5800, Email: info@srchem.com, website www.srchem.com