



92301

Ayers and Johnson Agar (Stock Culture Agar)

Part D

Specifications

| | |
|--|--|
| Appearance (Colour) | Light tan |
| Appearance (Form) | Free flowing, homogeneous powder |
| Solubility | 50.00 gm/liter |
| Solubility before autoclaving (Clarity) | Opalescent |
| Gel strength | Firm, comparable with 0.75% agar gel and 1.0% Gelatin gel. |
| pH (25°C) | 7.5 ± 0.2 |
| Prepared Medium Appearance after autoclaving (Clarity) | Opalescent |
| Prepared Medium Appearance after autoclaving (Colour) | Medium amber |
| Cultural Response | Inoculate and incubate at 35-37°C for 18-48 hours |
| Organism | Staphylococcus aureus ATCC 25923 |
| Inoculum (cfu) 10-100 | Growth- good |
| Organism | Streptococcus pyogenes ATCC 19615 |
| Inoculum (cfu) 10-100 | Growth- good |
| Organism | Streptococcus pneumoniae ATCC 6305 |
| Inoculum (cfu) 10-100 | Growth- good |

Other Information

Applications

Used for maintaining stock cultures of bacteria, particularly streptococci.

Composition

| Ingredients | gm/lt. |
|--|--------|
| Beef heart, infusion from (ex.buffalo) | 500.00 |
| Proteose peptone | 10.00 |
| Gelatin | 10.00 |
| Dextrose | 0.50 |
| Iso electric Casein | 5.00 |
| Disodium phosphate | 4.00 |
| Sodium citrate | 3.00 |
| Agar | 7.50 |

Directions

1. Add 50.00 gm powder to distilled/purified water.
2. Bring volume to 1.0 liter and mix thoroughly.
3. Gently heat and bring to boiling.
4. Autoclave at 15 psi pressure at 121°C for 15 minutes.

General Information

| | |
|---------------------|---------------------------------------|
| Storage | 8 to 25°C (Cool & Dry Area) |
| Shelf Life | 36 Months |
| 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 |

Available Packages

| |
|---------|
| 100 Gms |
| 500 Gms |

Disclaimer

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