
25511

# Marine Agar 2216 (Zobell)

Part D

## Specifications

| | |
|---|---|
| Appearance (Colour) | Cream |
| | Free flowing, homogeneous powder |
| Solubility | 55.25 gm/liter |
| Solubility before autoclaving (Clarity) | Slightly opalescent to opalescent, with slight precipitate |
| Gel strength | Firm, comparable with 1.5% agar gel |
| pH (25°C) | 7.6 ± 0.2 |
| Prepared Medium Appearance after autoclaving (Clarity) | Slightly opalescent to opalescent, with slight precipitate |
| Prepared Medium Appearance after autoclaving (Colour) | Light amber |
| Cultural Response | Inoculate and incubate at 20° - 25°C for 40-72 hours |
| Organism | Vibrio fischeri ATCC 7744 |
| Inoculum (cfu) 10-100 | Growth : Good<br>Recovery Rate : >=50.0% |
| Organism | Vibrio parahaemolyticus ATCC 17802 |
| Inoculum (cfu) 10-100 | Growth : Good<br>Recovery Rate : >=50.0% |

## Other Information

**Applications**

Used for cultivation of heterotrophic marine bacteria.

| Composition | |
|---|---|
| Ingredients | gm/lt. |
| Peptone | 5.00 |
| Yeast extract | 1.00 |
| Ferric citrate | 0.10 |
| Sodium chloride | 19.45 |
| Magnesium chloride | 8.80 |
| Sodium sulphate | 3.24 |
| Calcium chloride | 1.80 |
| Potassium chloride | 0.55 |
| Sodium bicarbonate | 0.16 |
| Potassium bromide | 0.08 |
| Strontium chloride | 0.034 |
| Boric acid | 0.022 |
| Sodium silicate | 0.004 |
| Sodium fluorate | 0.0024 |

| | |
|---|---|
| Ammonium nitrate | 0.0016 |
| Disodium phosphate | 0.008 |
| Agar | 15.00 |

**Directions**

1. Add 55.25 gm powder to 1.0 liter distilled/purified water and mix thoroughly.
2. Gently heat and bring to boiling.
3. 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 |
| 500 Gms | Plastic Bottle |

## Available Packages

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



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