

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

| | | | | | |
|--|--------------------------------------|---------------------------------|-----------|------------|--------------------|
| B419 | MEAT EXTRACT B BROTH | | | | |
| Formula | | | | | |
| Ingredients : | | | | | |
| | | gms/lit. | | | |
| Peptic digest of animal tissue | 10.00 | | | | |
| Meat Extract B# | | 3.00 | | | |
| Sodium chloride | | 5.00 | | | |
| #- Equivalent to Beef extract | | | | | |
| Final pH (at 25°C) : 7.2 ± 0.2 | | | | | |
| Directions : | | | | | |
| Suspend 18 grams in 1000 ml distilled water. Heat if necessary, to dissolve the medium completely. Dispense broth in tubes in 10 ml amount. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. | | | | | |
| Principle : | | | | | |
| It contains Meat Extract B# and peptic digest of animal tissue as a source of nitrogen and carbon while sodium chloride acts as a source of electrolytes. It can be used as a general purpose nutrient medium and is also recommended for preparation of pure culture of Candida species before carrying out fermentation studies. | | | | | |
| QC Tests – (I) Dehydrated Medium | | | | | |
| | Colour : | Cream to yellow | | | |
| | Appearance : | Homogeneous Free Flowing powder | | | |
| (II) Rehydrated medium | | | | | |
| | pH (post autoclaving/heating) : | 7.2 ± 0.2 | | | |
| | Colour (post autoclaving/heating) : | Light to medium yellow | | | |
| | Clarity (post autoclaving/heating) : | Clear | | | |
| (III) Q.C. Test Microbiological | | | | | |
| Cultural characteristics observed after 24 - 48 hrs at 35-37° C. | | | | | |
| | MICROORGANISM (ATCC) | GROWTH | | | |
| | Escherichia coli (25922) | Luxuriant | | | |
| | Staphylococcus aureus (25923) | Luxuriant | | | |
| | Candida albicans (10231) | Luxuriant | | | |
| | Salmonella typhi (6539) | Luxuriant | | | |
| | Pseudomonas aeruginosa (27853) | Luxuriant | | | |
| Precautions : | | | | | |
| 1. For Laboratory Use. | | | | | |
| 2. Follow proper, established laboratory procedures in handling and disposing of infectious materials. | | | | | |
| Limitations : | | | | | |
| 1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium. | | | | | |
| Use | | | | | |
| For routine cultivation of non-fastidious bacteria. | | | | | |
| Storage : | | | | | |
| Dehydrated medium-below 30°C Prepared medium- Between 2 to 8°C. | | | | | |
| Packing : | | | | | |
| 500 gm. bottle | | | | | |
| Product profile: | | | | | |
| | Reconstitution | Quantity on Preparation (500g) | pH (25°C) | Supplement | Sterilization |
| B419 | 18g/l | 27.777L | 7.2 ± 0.2 | NIL | 121°C / 15 minutes |

Disclaimer:

User must ensure suitability of the product(s) in their application prior to use. Products conform solely to the information contained in this and other related BIOMARKLABORATORIES publications.

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