

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

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|---|---|---|--------------------------------|-----------|--|-----------------------------|
| B923 | ANAEROBIC FERMENTATION MEDIUM BASE | | | | | |
| Formula | | | | | | |
| Ingredients: | | gms/lit. | | | | |
| Biopeptone | | 16.00 | | | | |
| Meat extract B# | | 4.00 | | | | |
| Sodium chloride | | 5.00 | | | | |
| Agar | | 15.00 | | | | |
| # Equivalent to beef extract | | | | | | |
| Final pH (at 25°C): 7.2 ± 0.2 | | | | | | |
| Directions: | | | | | | |
| Suspend 40 grams in 1000 ml distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 50°C and aseptically add 5-7 % sterile defibrinated horse blood. Mix well before pouring. | | | | | | |
| Principle: | | | | | | |
| Biopeptone and meat extract B in the medium provides nitrogen, chloride and other nutrients necessary to support bacterial growth. Sodium is an essential ion and helps in maintaining the osmotic balance of the medium. Agar is the solidifying agent. | | | | | | |
| 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) : | | Yellow coloured | | | | |
| Clarity (post autoclaving/heating) : | | Clear to slightly opalescent | | | | |
| (III) Q.C. Test Microbiological | | | | | | |
| Cultural characteristics observed after 18-48 hrs. at 35-37°C, incubated anaerobically. | | | | | | |
| MICROORGANISM (ATCC) | | GROWTH | | | | |
| Clostridium perfringens (13124) | | luxuriant | | | | |
| Clostridium sporogenes (11437) | | 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 : | | It is recommended for detection of fermentation reactions of anaerobic microorganisms | | | | |
| 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 |
| B923 | | 40.00 g/l | 12.50 L | 7.2 ± 0.2 | 5-7 % sterile defibrinated horse blood | 121 ⁰ C /15 min. |

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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