

TECHNICAL SHEET

| | | | | | |
|---|---|--------------------------------|-----------|----------------|--------------------|
| B960 | C.P.C AGAR BASE | | | | |
| Formula | | | | | |
| Ingredients : | | gms/lit. | | | |
| Peptic digest of animal tissue | 10.00 | | | | |
| Beef extract | | 5.00 | | | |
| Cellobiose | | 15.00 | | | |
| Sodium chloride | | 20.00 | | | |
| Bromo thymol blue | | 0.04 | | | |
| Cresol red | | 0.04 | | | |
| Agar | | 15.00 | | | |
| Final pH (at 25°C) : 7.6 ± 0.2 | | | | | |
| Directions : | | | | | |
| Suspend 32.54 gms. in 500 ml. distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15lbs pressure (121°C) for 15 minutes. Cool to 45°C and aseptically add reconstituted contents of 1 vial of CPC supplement. Mix well. | | | | | |
| Principle : | | | | | |
| CPC Agar contains beef extract and peptic digest of animal tissue which supply the essential nitrogenous compounds to the growing Vibrios. Cellobiose is fermented by some Vibrios and is indicated by the pH indicator bromo thymol blue which turns yellow at acidic pH. Cresol red is the pH indicator of alkaline range which turns red at alkaline pH. Alkaline pH of the medium enhances the recovery of Vibrios. | | | | | |
| QC Tests – (I) Dehydrated Medium | | | | | |
| Colour : | Light brown | | | | |
| Appearance : | Homogeneous Free Flowing powder | | | | |
| (II) Rehydrated medium | | | | | |
| pH (post autoclaving/heating) : | 7.6 ± 0.2 | | | | |
| Colour (post autoclaving/heating) : | Olive – green to light brown | | | | |
| Clarity (post autoclaving/heating) : | Clear to slightly opalescent | | | | |
| (III) Q.C. Test Microbiological | | | | | |
| Cultural characteristics observed after 18 – 24 hrs. at 40 ± 2°C. | | | | | |
| MICROORGANISM (ATCC) | GROWTH | COLOUR OF COLONY | | | |
| Vibrio cholerae (15748) | Good to luxuriant | Green to purple coloured | | | |
| Vibrio parahaemolyticus (17802) | Inhibited | - | | | |
| 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 the cultivation and identification of Vibrio species from food. | | | | |
| 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 |
| B960 | 65.08 g/l | 15.36L | 7.6 ± 0.2 | CPC supplement | 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 BIOMARK LABORATORIES publications.

The information contained in this publication is based on our in-house studies and market performance and is to the best of our knowledge true and accurate. BIOMARK LABORATORIES reserves the right to make changes to specifications and information related to the products at any time. Products are not intended for human or animal or therapeutic use but for laboratory, diagnostic, research or further manufacturing use only, unless otherwise specified. Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents.