

BIOMARK Laboratories-INDIA

www.biomarklabs.com

TECHNICAL SHEET

| | | | | | |
|---|---|--------------------------------|-----------|------------|--------------------|
| B1275 | UNIVERSAL PRE-ENRICHMENT BROTH | | | | |
| Formula | | | | | |
| Ingredients:gms/lit. | | | | | |
| Casein enzymic hydrolysate | 5.00 | | | | |
| Proteose peptone | 5.00 | | | | |
| Monopotassium phosphate | 15.00 | | | | |
| Disodium phosphate | 7.00 | | | | |
| Sodium chloride | 5.00 | | | | |
| Dextrose | 0.50 | | | | |
| Magnesium sulphate | 0.25 | | | | |
| Ferric ammonium citrate | 0.10 | | | | |
| Sodium pyruvate | 0.20 | | | | |
| Final pH (at 25°C) : 6.3± 0.2 | | | | | |
| Directions: | | | | | |
| Suspend 38.05 grams in 1000 ml distilled water. Heat, if necessary, to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Mix well and dispense as desired. | | | | | |
| Principle: | | | | | |
| Casein enzymic hydrolysate and proteose peptone serve as sources of carbon, nitrogen, vitamins and minerals. Dextrose serves as the source of energy. Phosphates buffer the medium. Magnesium sulphate, sodium chloride and ferric ammonium citrate provide essential ions required for metabolism. Sodium pyruvate stimulates the metabolism of injured organisms. This medium is sufficiently buffered to support growth of injured bacteria. | | | | | |
| QC Tests – (I) Dehydrated Medium | | | | | |
| Colour : | Light yellow to beige | | | | |
| Appearance: | Homogeneous Free Flowing powder | | | | |
| (II) Rehydrated medium | | | | | |
| pH (post autoclaving/heating): | 6.3 ± 0.2 | | | | |
| Colour (post autoclaving/heating): | Light amber | | | | |
| Clarity (post autoclaving/heating): | Clear to slightly opalescent solution that may have a slight precipitate. | | | | |
| (III) Q.C. Test Microbiological | | | | | |
| Cultural characteristics observed after 18 - 24 hrs at 35-37 °C. | | | | | |
| MICROORGANISM (ATCC) | GROWTH | | | | |
| Listeria monocytogenes (19118) | Good | | | | |
| Salmonella Enteritidis (13076) | Good | | | | |
| Salmonella Typhimurium (14028) | Good | | | | |
| 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 used for recovering sublethally injured Salmonella and Listeria from food products. | | | | |
| 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 |
| B1275 | 38.05g/l | 13.14 L | 6.3 ± 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 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.