

TECHNICAL SHEET

| | | | | | | |
|---|---|---|-------------------------------|-----------|--|--------------------|
| B1013 | DOYLE'S ENRICHMENT BROTH BASE | | | | | |
| Formula | | | | | | |
| Ingredients: | | gms/lit. | | | | |
| Casein enzymic hydrolysate | | 10.00 | | | | |
| Peptic digest of animal tissue | 10.00 | | | | | |
| Yeast extract | | 2.00 | | | | |
| Dextrose | | 1.00 | | | | |
| Sodium chloride | | 5.00 | | | | |
| Sodium bisulphite | | 0.10 | | | | |
| Sodium succinate | | 3.00 | | | | |
| L-Cysteine hydrochloride | | 0.10 | | | | |
| Final pH (at 25°C): 7.0 ± 0.2 | | | | | | |
| Directions: | | | | | | |
| Suspend 15.6 gms.in 460 ml. distilled water. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 50°C and aseptically add 35 ml sterile lysed horse blood and rehydrated contents of 1 vial of Doyle's Antibiotic supplement (BF050). Mix well and dispense as desired. | | | | | | |
| Principle: | | | | | | |
| Peptic digest of animal tissue, casein enzymic hydrolysate, yeast extract, dextrose and blood provide the nitrogenous compounds, vitamin B, energy and X factor (Heme) respectively and also other growth factors for the growth of Campylobacter species. Inclusion of antibiotics like Vancomycin, Trimethoprim, Polymyxin B and Cycloheximide suppresses the growth of the normal microbial flora in faecal specimens which facilitates easy isolation of Campylobacter species. | | | | | | |
| QC Tests – (I)Dehydrated Medium | | | | | | |
| | Colour : | Yellow | | | | |
| | Appearance: | Homogeneous Free Flowing powder | | | | |
| (II)Rehydrated medium | | | | | | |
| | pH (post autoclaving/heating): | 7.0 ± 0.2 | | | | |
| | Colour (post autoclaving/heating): | Light amber | | | | |
| | Clarity (post autoclaving/heating): | Clear | | | | |
| (III)Q.C. Test Microbiological | | | | | | |
| | Cultural characteristics observed after 24 –48 hrs.at 35- 37°C under reduced oxygen atmosphere. | | | | | |
| | MICROORGANISM (ATCC) | GROWTH | | | | |
| | Campylobacter jejuni (29428) | Good – luxuriant | | | | |
| | Candida albicans (10231) | None - poor | | | | |
| | Escherichia coli (25922) | None – poor | | | | |
| | Enterococcus faecalis (29212) | None - poor | | | | |
| | | | | | | |
| 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 selective enrichment of Campylobacter species. | | | | |
| 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 |
| B1013 | | 31.2 g/l | 16.02L | 7.0 ± 0.2 | Sterile lysed horse blood and Doyle's Antibiotic supplement (BF050). | 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.
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.