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|---|---|--------------------------------|-----------|------------|--------------------|
| B1004 | DEXTROSE TRYPTONE BROTH, MODIFIED | | | | |
| Formula | | | | | |
| Ingredients : | gms/lit. | | | | |
| Casein enzymic hydrolysate | 10.00 | | | | |
| Dextrose | 5.00 | | | | |
| Dipotassium phosphate | 1.25 | | | | |
| Yeast extract | 1.00 | | | | |
| Bromo cresol purple | 0.04 | | | | |
| Final pH (at 25°C) : 6.7 ± 0.2 | | | | | |
| Directions : | | | | | |
| Suspend 17.3 gms 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. | | | | | |
| Principle : | | | | | |
| Dextrose Tryptone broth contains Casein enzymic hydrolysate and yeast extract to provide carbon and nitrogen sources for general growth requirements. Dextrose is the carbohydrate source. Bromo Cresol Purple is the pH indicator. Dipotassium phosphate is the the buffering agent. | | | | | |
| QC Tests - (I)Dehydrated Medium | | | | | |
| Colour : | Cream to yellow | | | | |
| Appearance : | Homogeneous Free Flowing powder | | | | |
| (II)Rehydrated medium | | | | | |
| PH (post autoclaving/heating) : | 6.7 ± 0.2 | | | | |
| Colour (post autoclaving/heating) : | Purple | | | | |
| Clarity (post autoclaving/heating) : | Slightly opalescent | | | | |
| (III)Q.C. Test Microbiological | | | | | |
| Cultural characteristics observed after 48 hrs.at 55°C. | | | | | |
| MICROORGANISM (ATCC) | GROWTH | COLOUR OF MEDIUM | | | |
| Bacillus coagulans (8038) | Good to luxuriant | Yellow | | | |
| Bacillus stearothermophilus (7953) | Good to luxuriant | Yellow | | | |
| Bacillus brevis (8246) | Good to luxuriant* | Yellow | | | |
| Key: * = with or without dextrose fermentation. | | | | | |
| 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 : | B1004: For isolation and cultivation of aciduric and thermophilic sporeformers. | | | | |
| 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 |
| B1004 | 17.3 g/l | 28.90L | 6.7 ± 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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