

TECHNICAL SHEET

| | | | | | | |
|--|---------------------------------------|---|--------------------------------|-----------|----------------|---------------|
| B1103 | TRYPTONE GLUCOSE EXTRACT BROTH | | | | | |
| Formula | | | | | | |
| Ingredients: | | gms/lit. | | | | |
| Casein enzymic hydrolysate | | 10.00 | | | | |
| Yeast extract | | 1.00 | | | | |
| Glucose | | 5.00 | | | | |
| Dipotassium phosphate | | 1.25 | | | | |
| Final pH (at 25°C) : | | 6.8± 0.2 | | | | |
| Directions : | | | | | | |
| Suspend 17.25 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 in sterile test tubes. | | | | | | |
| Principle : | | | | | | |
| Casein enzymic hydrolysate, yeast extract provides nitrogenous compounds, vitamin B complex and other essential growth nutrients. Glucose is the energy source whereas dipotassium phosphate buffers the medium. | | | | | | |
| QC Tests – (I)Dehydrated Medium | | | | | | |
| Colour : | | Cream to light yellow | | | | |
| Appearance : | | Homogeneous Free Flowing powder | | | | |
| (II)Rehydrated medium | | | | | | |
| pH (post autoclaving/heating) : | | 6.8 ± 0.2 | | | | |
| Colour (post autoclaving/heating) : | | Light yellow to light amber | | | | |
| Clarity (post autoclaving/heating) : | | Clear solution in tubes | | | | |
| (III)Q.C. Test Microbiological | | | | | | |
| Cultural characteristics observed after 18 – 24 hrs.at 35 –37°C. | | | | | | |
| MICROORGANISM (ATCC) | | GROWTH | | | | |
| Bacillus subtilis (6633) | | Luxuriant | | | | |
| Enterobacter aerogenes (13048) | | Luxuriant | | | | |
| Escherichia coli (25922) | | Luxuriant | | | | |
| Lactobacillus casei (9595) | | Luxuriant | | | | |
| Pseudomonas aeruginosa (27853) | | Luxuriant | | | | |
| Staphylococcus aureus (25923) | | Luxuriant | | | | |
| Enterococcus faecalis (29212) | | 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: | | For enumeration of microorganisms from foods by MPN technique. | | | | |
| 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 |
| B1103 | 17.25g/l | 28.98L | 6.8 ± 0.2 | NIL | 121°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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