

TECHNICAL SHEET

| | | | | | |
|---|-----------------------------------|--------------------------------|-----------|------------|---------------------------------|
| B546 | GLUCOSE YEAST PEPTONE AGAR | | | | |
| Formula | | | | | |
| Ingredients : gms/lit. | | | | | |
| Peptic digest of animal tissue | 10.00 | | | | |
| Yeast extract | 5.00 | | | | |
| Dextrose | 20.00 | | | | |
| Agar | 15.00 | | | | |
| Final pH (at 25°C) : 7.0 ± 0.2 | | | | | |
| Directions : | | | | | |
| Suspend 50 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 : | | | | | |
| This is a highly nutritious medium which may be used not only for isolating yeasts but also some fastidious microorganisms. Peptic digest of animal tissue provides nitrogenous nutrients especially the amino acids and peptides and yeast extract supply Vitamin B complex. Dextrose is the readily available source of energy and a good carbohydrate source for yeasts. | | | | | |
| QC Tests – (I)Dehydrated Medium | | | | | |
| Colour : | | | | | Light yellow |
| Appearance : | | | | | Homogeneous Free Flowing powder |
| (II)Rehydrated medium | | | | | |
| pH (post autoclaving/heating) : | | | | | 7.0 ± 0.2 |
| Colour (post autoclaving/heating) : | | | | | Light to medium amber |
| Clarity (post autoclaving/heating) : | | | | | Slightly opalescent |
| (III)Q.C. Test Microbiological | | | | | |
| Cultural characteristics observed after 18 –24 hrs. at 35-37°C. | | | | | |
| MICROORGANISM (ATCC) | | | | | GROWTH |
| Saccharomyces cerevisiae (9763) | | | | | 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 isolation of yeasts from soil specimens. | | | | | |
| 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 |
| B546 | 50g/l | 10 L | 7.0 ± 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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