

TECHNICAL SHEET

| | | | | | | |
|--|------------------|---|--------------------------------|-----------|------------|---------------|
| B359 | WORT AGAR | | | | | |
| Formula | | | | | | |
| Ingredients : | | | gms/lit. | | | |
| Malt extract | | | 15.00 | | | |
| Peptic digest of animal tissue | | | 0.78 | | | |
| Maltose | | | 12.75 | | | |
| Dextrin | | | 2.75 | | | |
| Dipotassium phosphate | | | 1.00 | | | |
| Ammonium chloride | | | 1.00 | | | |
| Agar | | | 15.00 | | | |
| Final pH (at 25°C) : 4.8± 0.2 | | | | | | |
| Directions : | | | | | | |
| Suspend 48.28 grams in 1000 ml purified / distilled water containing 2.35 grams of glycerol. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 45-50°C. Mix well and pour in sterile Petri plates. | | | | | | |
| Principle : | | | | | | |
| In this medium peptic digest of animal tissue and malt extract provide nitrogenous and other nutrients for the growth of yeasts. Dextrin and maltose are fermentable carbohydrates. The high acidic pH inhibits many bacteria. Do not re-liquefied agar medium as it may cause alteration of medium with hydrolysis of agar at low pH and results in failure to gel when cooled. | | | | | | |
| QC Tests – (I)Dehydrated Medium | | | | | | |
| Colour : | | Light yellow to brownish yellow | | | | |
| Appearance : | | Homogeneous Free Flowing powder | | | | |
| (II)Rehydrated medium | | | | | | |
| pH (post autoclaving/heating) : | | 4.8 ± 0.2 | | | | |
| Colour (post autoclaving/heating) : | | Yellow | | | | |
| Clarity (post autoclaving/heating) : | | Opalescent | | | | |
| (III)Q.C. Test Microbiological | | | | | | |
| Cultural characteristics observed with added glycerol after an incubation at 25-30°C for 40-48 hours. | | | | | | |
| MICROORGANISM (ATCC) | | GROWTH | | | | |
| Aspergillus niger (16404) | | luxuriant | | | | |
| Saccharomyces cerevisiae (9763) | | luxuriant | | | | |
| Saccharomyces uvarum (28098) | | luxuriant | | | | |
| Candida albicans (10231) | | 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 the cultivation and enumeration of yeasts. | | | | |
| 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 |
| B359 | | 48.28 g/l | 10.35 L | 4.8 ± 0.2 | Nil | 121°C/15 min. |

Refer disclaimer Overleaf

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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