

TECHNICAL SHEET

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|--|---|--|--------------------------------|-----------|--------------------|---------------|
| B460 | CHLORAMPHENICOL YEAST GLUCOSE AGAR | | | | | |
| Formula | | | | | | |
| Ingredients : | | gms/lit. | | | | |
| Yeast extract | | 5.00 | | | | |
| Dextrose | | 20.00 | | | | |
| Chloramphenicol | | 0.10 | | | | |
| Agar | | 14.90 | | | | |
| Final pH (at 25°C) : 6.6 ± 0.2 | | | | | | |
| Directions : | | | | | | |
| Suspend 40 grams 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. Cool to 45-50°C. Mix well and pour into sterile Petri plates. | | | | | | |
| Principle : | | | | | | |
| The medium contains yeast extract which provides nitrogenous nutrients and Vitamin B complex. Dextrose is the energy source. Chloramphenicol – a thermostable antibiotic, suppresses accompanying bacterial flora. This improves shelf – life of the prepared medium and the prepared medium can be used over a period of at least 4 months. | | | | | | |
| QC Tests – (I) Dehydrated Medium | | | | | | |
| Colour : | | Cream to light yellow | | | | |
| Appearance : | | Homogeneous Free Flowing powder | | | | |
| (II) Rehydrated medium | | | | | | |
| pH (post autoclaving/heating) : | | 6.6 ± 0.2 | | | | |
| Colour (post autoclaving/heating) : | | Cream to yellow | | | | |
| Clarity (post autoclaving/heating) : | | Clear to slightly Opalescent gel | | | | |
| (III) Q.C. Test Microbiological | | | | | | |
| Cultural characteristics observed after 2-5 days at 22-25°C. | | | | | | |
| MICROORGANISM (ATCC) | | GROWTH | | | | |
| Candida albicans (10231) | | Good-luxuriant | | | | |
| Saccharomyces cerevisiae(9763) | | Good-luxuriant | | | | |
| Aspergillus niger (16404) | | Good-luxuriant | | | | |
| Escherichia coli (25922) | | Inhibited | | | | |
| Staphylococcus aureus (25923) | | Inhibited | | | | |
| Precautions : | | 1. For Laboratory Use. 2. Follow proper, established laboratory procedures in handling and disposing of infectious materials. 3. TOXIC. May cause cancer. Possible risk of harm to the unborn child. Avoid contact with skin and eyes. Do not breathe dust. Wear suitable protective clothing. Keep container tightly closed. Target organ(s) : Blood, Nerves, Lymph Glands, Eyes. | | | | |
| 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 enumeration of yeasts and molds in milk and milk products. | | | | |
| Storage : | | Dehydrated medium and prepared medium between 2 to 8°C. | | | | |
| Packing : | | 500 gm bottle | | | | |
| Product profile: | | Reconstitution | Quantity on Preparation (500g) | pH (25°C) | Supplement | Sterilization |
| B460 | 40g/l | 12.5L | 6.6 ± 0.2 | Nil | 121°C / 15 minutes | |