

**TECHNICAL SHEET**

|  |  |                                  |           |            |                    |
|--|--|----------------------------------|-----------|------------|--------------------|
| <b>B1563</b>   | <b>CHLORAMPHENICOL GLUCOSE YEAST EXTRACT AGAR</b>  |                                  |           |            |                    |
| <b>Formula</b>   |  |                                  |           |            |                    |
| <b>Ingredients:</b>  |  | <b>gms/lit.</b>                  |           |            |                    |
| Yeast extract  |  | 5.00                             |           |            |                    |
| Dextrose   |  | 20.00                            |           |            |                    |
| Chloramphenicol  |  | 0.10                             |           |            |                    |
| Agar   |  | 15.00                            |           |            |                    |
| Final pH (at 25°C): 6.6 ± 0.2  |  |                                  |           |            |                    |
| <b>Directions:</b>   |  |                                  |           |            |                    |
| Suspend 40.1 grams in 1000 ml distilled water. Heat to boiling with agitation until complete dissolution. 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.  |  |                                  |           |            |                    |
| <b>Principle:</b>  |  |                                  |           |            |                    |
| The chloramphenicol glucose yeast extract agar is prepared according to the typical formulation recommended by the international dairy federation and the international organization of standardization (ISO) and is used for selective isolation and counting of yeasts and molds in milk, milk products and other foodstuffs. Medium contains yeast extract and glucose stimulates the growth of yeasts and molds. Chloramphenicol- a thermostable antibiotic, suppresses contaminating bacterial flora. |  |                                  |           |            |                    |
| <b>QC Tests – (I) Dehydrated Medium</b>  |  |                                  |           |            |                    |
|  | Colour :   | Cream to light yellow            |           |            |                    |
|  | Appearance :   | Homogeneous Free Flowing powder  |           |            |                    |
| <b>(II) Rehydrated medium</b>  |  |                                  |           |            |                    |
|  | pH (post autoclaving/heating) :  | 6.6 ± 0.2                        |           |            |                    |
|  | Colour (post autoclaving/heating) :  | Cream to yellow                  |           |            |                    |
|  | Clarity (post autoclaving/heating) :   | Clear to slightly Opalescent gel |           |            |                    |
| <b>(III) Q.C. Test Microbiological</b>   |  |                                  |           |            |                    |
| Cultural characteristics observed after 3 days at 22-25°C.   |  |                                  |           |            |                    |
|  | MICROORGANISM (ATCC)   | GROWTH                           |           |            |                    |
|  | Candida albicans (10231)   | Good                             |           |            |                    |
|  | Saccharomyces cerevisiae (9763)  | Good                             |           |            |                    |
|  | Aspergillus niger (16404)  | Good                             |           |            |                    |
|  | Penicillium cyclopium (16025)  | Good                             |           |            |                    |
|  | Escherichia coli (25922)   | Inhibited                        |           |            |                    |
|  | Bacillus subtilis (6633)   | Inhibited                        |           |            |                    |
| <b>Precautions :</b>   | <ol style="list-style-type: none"> <li>1. For Laboratory Use.</li> <li>2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.</li> <li>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.</li> </ol> |                                  |           |            |                    |
| <b>Limitations :</b>   | 1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.  |                                  |           |            |                    |
| <b>Use:</b>  | For selective enumeration of yeasts and molds in foodstuffs.   |                                  |           |            |                    |
| <b>Storage:</b>  | Dehydrated medium and prepared medium between 2 to 8°C.  |                                  |           |            |                    |
| <b>Packing:</b>  | 500 gm bottle  |                                  |           |            |                    |
| <b>Product profile:</b>  | Reconstitution   | Quantity on Preparation (500g)   | pH (25°C) | Supplement | Sterilization      |
| <b>B1563</b>   | 40.1g/l  | 12.5L                            | 6.6 ± 0.2 | Nil        | 121°C / 15 minutes |

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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