

**BIOMARK Laboratories-INDIA**

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**TECHNICAL SHEET**

<b>B585</b>	<b>M-BCG YEAST AND MOULD BROTH</b>				
<b>Formula</b>					
<b>Ingredients:</b>		<b>gms/lit.</b>			
Biopeptone	10.00				
Yeast extract	9.00				
Dextrose	50.00				
Magnesium sulphate	2.10				
Potassium phosphate	2.00				
Diastase	0.05				
Thiamine hydrochloride	0.05				
Bromo cresol green	0.026				
Final pH (at 25°C):4.6 + 0.2					
<b>Directions:</b>					
Suspend 7.32 gms in 100ml distilled water. Heat to boiling to dissolve the medium completely. Dispense and sterilize by autoclaving 12-15lbs pressure (118-121°C) for 10 minutes.					
<b>Principle:</b>					
The medium is highly nutritious for the growth of yeasts and moulds. Biopeptone and yeast extract provide nitrogenous compounds and vitamin B complex. Thiamine is also a B vitamin in the medium. Dextrose acts as the energy source. Diastase is a mixture of amylolytic enzymes. Bromo cresol green is the pH indicator which is green at acidic pH (p 4.0) while blue at pH 5.6. Potassium phosphate helps in maintaining buffering action in the medium. The low pH inhibits bacterial growth.					
<b>QC Tests – (I)Dehydrated Medium</b>					
Colour:	Cream to light green				
Appearance:	Homogeneous Free Flowing powder				
<b>(II)Rehydrated medium</b>					
pH (post autoclaving/heating):	4.6 ± 0.2				
Colour (post autoclaving/heating):	Green				
Clarity (post autoclaving/heating):	Slightly opalescent solution, may contain slight precipitate				
<b>(III)Q.C. Test Microbiological</b>					
Cultural characteristics observed after 48-72 hrs. at 25-30°C.					
MICROORGANISM (ATCC)	GROWTH				
Aspergillus niger (16404)	Good-Luxuriant				
Candida albicans (10231)	Good-Luxuriant				
Saccharomyces cerevisiae (9763)	Good-Luxuriant				
<b>Precautions :</b>	1. For Laboratory Use. 2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.				
<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 the detection of fungi in routine analysis of beverages using membrane filter technique.				
<b>Storage:</b>	Dehydrated medium- below 30°C Prepared medium– Freshly prepared.				
<b>Packing:</b>	500 gm bottle				
<b>Product profile:</b>	Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
<b>B585</b>	73.2g/l	6.830L	4.6 ± 0.2	NIL	121 <sup>0</sup> 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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