

**BIOMARK Laboratories-INDIA**

[www.biomarklabs.com](http://www.biomarklabs.com)

**TECHNICAL SHEET**

<b>B1283</b>	<b>YEAST AND MOULD BROTH</b>				
<b>Formula</b>					
<b>Ingredients :</b>		<b>gms/lit.</b>			
Dextrose		10.00			
Yeast extract		1.00			
Sodium chloride		1.00			
Potassium dihydrogen phosphate		2.00			
Dipotassium hydrogen phosphate		4.00			
Ammonium sulphate		1.00			
Ammonium nitrate		1.00			
Final pH (at 25°C): 6.8± 0.2					
<b>Directions :</b>					
Suspend 20.0 grams in 1000 ml distilled water. Heat if necessary to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.					
<b>Principle :</b>					
Ammonium salts and yeast extract serve as organic and inorganic nitrogen source while dextrose serves as carbon and energy source to yeast and mould. Necessary growth factors are provided by yeast extract. Dibasic and monobasic salts of potassium act as buffering system for the medium. Sodium chloride helps to maintain osmotic balance of the cells. The complete medium is recommended for examination of the microbiological quality of beers in process, pitching yeasts and packaged beers.					
<b>QC Tests – (I) Dehydrated Medium</b>					
Colour :		Cream to yellow			
Appearance :		Homogeneous Free Flowing powder			
<b>(II) Rehydrated medium</b>					
pH (post autoclaving/heating) :		6.8 ± 0.2			
Colour (post autoclaving/heating) :		Light amber			
Clarity (post autoclaving/heating) :		Clear to slightly opalescent solution			
<b>(III) Q.C. Test Microbiological</b>					
Cultural characteristics observed after an incubation at 25-30°C for 40-72 hours.					
MICROORGANISM (ATCC )		GROWTH			
Aspergillus niger (16404 )		Good-luxuriant			
Candida albicans (10231 )		Good-luxuriant			
Escherichia coli (25922)		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 isolation and cultivation of yeasts and moulds.				
<b>Storage :</b>	Dehydrated medium- below 30°C 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>B1283</b>	20.0 g/l	25.0L	6.8± 0.2	Nil	121°C/15 min.

**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.

The information contained in this publication is based on our in-house studies and market performance and is to the best of our knowledge true and accurate. BIOMARK LABORATORIES reserves the right to make changes to specifications and information related to the products at any time. Products are not intended for human or animal or therapeutic use but for laboratory, diagnostic, research or further manufacturing use only, unless otherwise specified. Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents.