

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B363	YEAST MALT BROTH				
Formula					
Ingredients :			gms/lit.		
Peptic digest of animal tissue			5.00		
Yeast extract			3.00		
Malt extract			3.00		
Dextrose			10.00		
Final pH (at 25°C) : 6.2 ± 0.2					
Directions :					
Suspend 21 gms. in 1000ml. distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. For preparing selective media acidify the medium upto pH 3.0 to 4.0 or add antibiotics. DO NOT HEAT the media after addition of acid or antibiotics.					
Principle :					
Peptic digest of animal tissue serve as a source of carbon, nitrogen and essential nutrients. Yeast extract supplies vitamin B complex nutrients and other growth factors. Malt extract serves as an additional source of carbon. Dextrose is the carbohydrate and energy source. To increase the selectivity, the media can be acidified by the addition of sterile 10% HCl, tartaric acid or 10% citric acid. Alternatively antibiotics can be added.					
QC Tests – (I) Dehydrated Medium					
Colour :			Cream to Yellow		
Appearance :			Homogeneous Free Flowing powder		
(II) Rehydrated medium					
pH (post autoclaving/heating) :			6.2 ± 0.2		
Colour (post autoclaving/heating) :			Light amber		
Clarity (post autoclaving/heating) :			Very slightly opalescent		
(III) Q.C. Test Microbiological					
Cultural characteristics observed after 40 - 72 hrs at 25 - 30°C.					
MICROORGANISM (ATCC)		GROWTH AT pH 3.4		GROWTH AT pH 6.2	
Aspergillus niger (16404)		Good - luxuriant		Good - luxuriant	
Candida albicans (10231)		Good - luxuriant		Good - luxuriant	
Saccharomyces cerevisiae (9763)		Good - luxuriant		Good - luxuriant	
Lactobacillus leichmanni (4797)		Poor		Good - luxuriant	
Escherichia coli (25922)		Inhibited		Good - 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 isolation and cultivation of yeasts, molds and other acid uric microorganisms.					
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
B363	21g/l	23.80L	6.2 ± 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.

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