

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B130	BUFFERED YEAST AGAR				
Formula					
Ingredients :		gms/lit.			
Yeast extract		5.00			
Dextrose		20.00			
Ammonium sulphate		0.72			
Ammonium dihydrogen phosphate		0.26			
Agar		15.00			
Final pH (at 25°C) : 5.5 ± 0.2					
Directions :					
Suspend 41 gms. in 1000 ml. distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 10 lbs pressure (115°C) for 20 minutes. Mix well and pour into sterile Petri plates.					
Principle :					
Buffered Yeast Agar is prepared as per the modification of the yeast – salt medium described by Davis. The reaction of the medium can be adjusted to required pH values by the addition of citric or lactic acid to the medium after sterilization.					
QC Tests – (I) Dehydrated Medium					
Colour :		Cream to yellow			
Appearance :		Homogeneous Free Flowing powder			
(II) Rehydrated medium					
pH (post autoclaving/heating) :		5.5 ± 0.2			
Colour (post autoclaving/heating) :		Light amber			
Clarity (post autoclaving/heating) :		Slightly opalescent			
(III) Q.C. Test Microbiological					
Cultural characteristics observed after 48 - 72 hrs. at 25-30°C.					
MICROORGANISM (ATCC)		GROWTH			
Aspergillus niger (16404)		Luxuriant			
Saccharomyces cerevisiae (9763)		Luxuriant			
Candida albicans (10231)		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 controlling of bottle washing operations in the soft drinks and related industries and for cultivation of yeasts and moulds.					
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
B130	41g/l	12.195L	5.5 ± 0.2	NIL	115°C / 20 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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