

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B1455	YEAST EXTRACT AGAR				
Formula					
Ingredients:					
	gms/lit.				
Tryptone	6.00				
Yeast extract	3.00				
Agar	15.00				
Final pH (at 25°C) : 7.2 ± 0.2					
Directions :					
Suspend 24 grams in 1000 ml distilled water. Heat to boiling to dissolve the medium completely. 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.					
Principle :					
Necessary growth nutrients are provided by tryptone and yeast extract. These serve as source of nitrogen, vitamins, growth factors as well as crude source of carbon. Agar acts as a solidifying agent.					
QC Tests - (I) Dehydrated Medium					
Colour :	Cream to light yellow				
Appearance :	Homogeneous Free Flowing powder				
(II) Rehydrated medium					
pH (post autoclaving/heating) :	7.2 ± 0.2				
Colour (post autoclaving/heating) :	Light yellow to yellow				
Clarity (post autoclaving/heating) :	Clear to very slightly opalescent				
(III) Q.C. Test Microbiological					
Cultural characteristics observed after an incubation at 35 - 37°C for 18 - 24 hours.					
MICROORGANISM (ATCC)	GROWTH				
Escherichia coli (25922)	Luxuriant				
Staphylococcus aureus (25923)	Luxuriant				
Enterobacter aerogenes (13048)	Luxuriant				
Pseudomonas aeruginosa (27853)	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 enumeration of microorganisms from water as per ISO6222:1999.				
Storage :	Dehydrated medium- below 30 ° C Prepared mediums- Between 2 to 8°C.				
Packing :	500 gm. bottle				
Product profile:	Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
B1455	24 g/l	20.83L	7.2 ± 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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