

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.	

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