

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
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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