

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B1415	TRYPTONE YEAST EXTRACT AGAR					
Formula						
Ingredients:		gms/lit.				
Casein enzymic hydrolysate		6.00				
Yeast extract powder		3.00				
Agar		12.00				
Final pH (at 25°C) : 7.2 ± 0.1						
Directions :						
Suspend 21 grams in 1000 ml purified / 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 :						
Casein enzymic hydrolysate and yeast extract provide nitrogenous compounds, vitamin B complex and other essential growth nutrients.						
QC Tests – (I)Dehydrated Medium						
Colour :		Cream to yellow				
Appearance :		Homogeneous Free Flowing powder				
(II)Rehydrated medium						
pH (post autoclaving/heating) :		7.2 ± 0.1				
Colour (post autoclaving/heating) :		Light amber				
Clarity (post autoclaving/heating) :		Clear to slightly opalescent gel				
(III)Q.C. Test Microbiological						
Cultural characteristics observed after 18 –24 hrs at 35-37°C.						
MICROORGANISM (ATCC)		GROWTH				
Enterobacter aerogenes (13048)		Luxuriant				
Escherichia coli (25922)		Luxuriant				
Salmonella typhimurium (14028)		Luxuriant				
Salmonella Enteritidis (13076)		Luxuriant				
Precautions :		1. For Laboratory Use. 2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.				
Limitations :		This medium is general purpose medium and may not support the growth of fastidious organisms.				
Use:		It is used for the enumeration of viable microorganisms in water under the specification ISO 6222:1988.				
Storage :		Dehydrated medium- Below 30°C. Prepared mediums- Between 2 - 8°C.				
Packing :		500 gm. bottle				
Product profile:		Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
B1415	21g/l	23.809L	7.2 ± 0.2	NIL	121°C / 15 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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