

TECHNICAL SHEET

B1282	YT AGAR				
Formula					
Ingredients :		gms/lit.			
Casein enzymic hydrolysate		8.00			
Yeast extract		5.00			
Sodium chloride		5.00			
Agar		10.000			
Final pH (at 25°C): 6.8 ± 0.2					
Directions :					
Suspend 28.00 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.					
Principle :					
Casein enzymic hydrolysate and yeast extract provides sources of nitrogen and growth factors which allow the bacteria to recover from the stress of transformation and grow well. Sodium chloride provide essential ion.					
QC Tests -					
(I) Dehydrated Medium					
Colour :		Cream to yellow			
Appearance :		Homogeneous Free Flowing powder			
(II) Rehydrated medium					
pH (post autoclaving/heating) :		6.8 ± 0.2			
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			
Bacillus subtilis (6633)		luxuriant			
Enterobacter aerogenes 913048)		luxuriant			
Escherichia coli (25922)		luxuriant			
Enterococcus faecalis (29212)		luxuriant			
Lactobacillus casei(9595)		luxuriant			
Pseudomonas aeruginosa (27853)		luxuriant			
Staphylococcus aureus (25923)		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 :	It is recommended for growth of Escherichia coli K12 strains used in preparation of phage and plasmid DNA according to Miller.				
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
B1282	28 g/l	17.85 L	6.8 ± 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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