

TECHNICAL SHEET

B331	THERMOACIDURANS AGAR					
Formula						
Ingredients:		gms/lit.				
Proteose peptone		5.00				
Yeast extract		5.00				
Dextrose		5.00				
Dipotassium phosphate		4.00				
Agar		20.00				
Final pH (at 25°C): 5.0 ± 0.2						
Directions:						
Suspend 39 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 and pour into sterile Petri plates.						
Principle:						
Proteose peptone and yeast extract provide nitrogenous compounds, vitamin B complex and other essential growth nutrients. Dextrose acts as an energy source. Manganese sulphate stimulates spore formation.						
QC Tests - (I) Dehydrated Medium						
Colour:		Cream to yellow				
Appearance:		Homogeneous Free Flowing powder				
(II) Rehydrated medium						
pH (post autoclaving/heating):		5.0 ± 0.2				
Colour (post autoclaving/heating):		Yellow				
Clarity (post autoclaving/heating):		Clear to slightly opalescent				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after 18 - 48 hrs at 55°C.						
MICROORGANISM (ATCC)		GROWTH	SPORULATION			
Bacillus thermoacidurans (8038)		Luxuriant	Positive			
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 isolation of Bacillus thermoacidurans from food products.				
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
B331	39.0 g/l	12.820L	5.0 ± 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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