

TECHNICAL SHEET

B832	SOIL EXTRACT AGAR					
Formula						
Ingredients :			gms/lit.			
Glucose			1.00			
Dipotassium phosphate			0.50			
Soil extract			17.75			
Agar			15.00			
Final pH (at 25°C) : 6.8 ± 0.2						
Directions :						
Suspend 34.25 grams in 1000 ml distilled water. Heat to boiling to dissolve the medium completely and sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Mix well and pour into sterile Petri plates.						
Principle :						
Soil extract provides all the essential nutrients required for growth of soil microorganisms. Glucose serves as readily metabolizable carbon source whereas dipotassium phosphate buffers the medium.						
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 an incubation at 30°C for upto 4 days.						
MICROORGANISM (ATCC)		GROWTH				
Aspergillus brasiliensis (16404)		luxuriant				
Candida albicans A (10231)		luxuriant				
Nocardia asteroides (19247)		luxuriant				
Pseudomonas aeruginosa (27853)		luxuriant				
Saccharomyces cerevisiae (9763)		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 used for isolation of soil microorganisms.				
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
B832		34.25 g/l	14.598 L	6.8 ± 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 BIOMARK LABORATORIES publications.

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