

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B904	ARRET AND KIRSHBAUM MEDIUM (A.K. AGARNO.2) (SPORULATION AGAR)				
Formula					
Ingredients :		gms/lit.			
Pancreatic digest of gelatin		6.00			
Casein enzymic hydrolysate		4.00			
Yeast extract		3.00			
Meat extract B#		1.50			
Dextrose		1.00			
Manganous sulphate		0.30			
Agar		15.00			
# Equivalent to Beef Extract					
Final pH (at 25°C) : 6.6 ± 0.2					
Directions :					
Suspend 30.8 gms. in 1000 ml. distilled water. Boil with stirring to dissolve the medium completely. Dispense in 300 ml. amounts in Roux or other suitable bottles. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Note: Do not autoclave till the medium has been completely dissolved.					
Principle :					
The medium is highly nutritious since it contains two peptones, yeast extract, beef extract, dextrose. Peptic digest of animal tissue and beef extract are sources of nitrogen, sulphur, amino acids and trace elements. Manganous sulphate plays an important role in sporulation process.					
QC Tests - (I) Dehydrated Medium					
Colour :		Light yellow			
Appearance :		Homogeneous Free Flowing powder			
(II) Rehydrated medium					
pH (post autoclaving/heating) :		6.6 ± 0.2			
Colour (post autoclaving/heating) :		Light amber			
Clarity (post autoclaving/heating) :		Clear to slightly opalescent			
(III) Q.C. Test Microbiological					
Cultural characteristics observed after 5 days at 35-37°C.					
MICROORGANISM (ATCC)		GROWTH			
Bacillus subtilis (6633)		Luxuriant with sporulation			
Bacillus megaterium (9855)		Luxuriant with sporulation			
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 production of spores of Bacillus subtilis ATCC 6633 which are used as inoculum in detection of penicillin and other antibiotics.					
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
B904	30.8 g/l	16.23 L	6.6 ±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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