

TECHNICAL SHEET

B1081	KG AGAR BASE				
Formula					
Ingredients :					
			gms/lit.		
Peptic digest of animal tissue	1.00				
Yeast extract		0.50			
Phenol red		0.025			
Agar		18.00			
Final pH (at 25°C) : 6.8 ± 0.2					
Directions :					
Suspend 19.53 gms.in 900ml. distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 50°C aseptically add 100 ml sterile, Egg Yolk emulsion (BF003) and reconstituted Polymyxin B Selective Supplement (BF005). Mix well and pour into sterile petri plates.					
Principle :					
Peptic digest of animal tissue and yeast extract supports growth of Bacillus cereus, Bacillus thuringiensis. Bacillus polymyxa, which produce lecithinase, are unable to form lecithinase under the nutritionally poor conditions. Lecithinase activity is observed as opaque zone surrounding the individual colony. Bacillus cereus is resistant to Polymyxin B. Polymyxin B restricts gram - negative organisms.					
QC Tests - (I) Dehydrated Medium					
	Colour :	Light pink			
	Appearance :	Homogeneous Free Flowing powder			
(II) Rehydrated medium					
	pH (post autoclaving/heating) :	6.8 ± 0.2			
	Colour (post autoclaving/heating) :	a) Basla medium : Orange b) addition of sterile Egg yolk and Polymyxin B sulphate : Orangish			
	Clarity (post autoclaving/heating) :	a) Clear b) Opalescent			
(III) Q.C. Test Microbiological					
Cultural characteristics observed after 24 hrs.at 35-37°C.					
	MICROORGANISM (ATCC)	GROWTH	LECITHINASE		
	Bacillus cereus (11778)	Luxuriant	+		
	Bacillus thuringiensis	Good	+		
	Escherichia coli (25922)	Poor - none	-		
	+ = Opaque zone around the colony				
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 promoting fast and free sporulation to distinguish between Bacillus cereus and Bacillus thuringiensis.				
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
B1081	19.53g/l	25.60L	6.8 ± 0.2	Egg Yolk emulsion (BF003) Polymyxin B Selective Supplement (BF005)	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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