BIOMARK Laboratories-INDIA

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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 Polymixin 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)additon 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 thuringensis.
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) Polymixin B Selective Supplement (BF005)	121^0C / 15 minutes

Rev: December 2020