

TECHNICAL SHEET

B1188	KG AGAR BASE					
Formula						
Ingredients :		gms/lit.				
Peptic digest of animal tissue		1.00				
Yeast extract		0.50				
Phenol red0.025						
Agar		18.00				
Final pH (at 25°C) : 6.8±0.2						
Directions :						
Suspend 19.53grams in 900 ml distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at15 lbs pressure (121°C) for 15 minutes. Cool to 50°C and aseptically add 100 ml sterile, Egg Yolk Emulsion (BF003) and sterile contents of 2 vials of reconstituted Polymyxin B Selective Supplement (BF005). Mix well and pour into sterile Petri plates						
Principle :						
Peptic digest of animal tissue and yeast extract in the medium supports the growth of B.cereus, B.thuringiensis. Lecithinase activity is observed as an opaque zone surrounding the individual colony.B.cereusis resistant to Polymyxin B, which restrictsgram-negative organisms. B.cereusandB.thuringiensiscan be distinguished by means of microscopic examination ofstained cells.B.thuringiensisshows endotoxin crystals in sporulated cells						
QC Tests – (I)Dehydrated Medium						
Colour :		Light yellow to light pink				
Appearance :		Homogeneous Free Flowing powder				
(II)Rehydrated medium						
pH (post autoclaving/heating) :		6.8 ± 0.2				
Colour (post autoclaving/heating) :		Basal medium : Orange coloured After addition of Egg Yolk Emulsion : Light orange coloured opaque				
Clarity (post autoclaving/heating) :		Clear to slightly opalescent gel				
(III)Q.C. Test Microbiological						
Cultural characteristics observed at 30-35°C for 24 hours after addition of Egg Yolk Emulsion (BF003) and Polymyxin B Selective Supplement (BF005).						
MICROORGANISM (ATCC)		GROWTH		LECITHINASE		
Bacillus cereus(14579)		good-luxuriant		positive,opaque zonene around thecolony		
Bacillus thuringiensis (10792)		good		positive,opaquezone around thecolony		
Escherichia coli (25922)		None-poor		negative		
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 promoting fast and free spore formation which helps in distinguishing Bacillus cereusfrom 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
B1188		19.53g/l	25.60 L	6.8 ± 0.2	Egg Yolk Emulsion and Polymyxin B Selective Supplement	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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