

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B1242	PLET AGAR BASE				
Formula					
Ingredients :					
	gms/lit.				
Meat heart, infusion from	500.00				
Tryptose	10.00				
Sodium chloride	5.00				
EDTA	0.30				
Thalious acetate	0.04				
Agar	15.00				
Final pH (at 25°C) : 7.3± 0.2					
Directions :					
Suspend 40.34 grams in 990 ml 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 rehydrated contents of 1 vial of Anthracis Selective Supplement (BF129). Mix well and dispense as desired.					
Principle :					
Meat heart infusion from solids and tryptose provide the carbonaceous and nitrogenous compounds necessary for growth whereas sodium chloride provides the osmotic equilibrium. Thalious acetate and Polymyxin (BF129) are inhibitory agents allowing growth of B.anthraxis while inhibiting contaminants. Lysozyme (BF129) specifically suppresses the growth of gram-negative contaminants.					
QC Tests - (I) Dehydrated Medium					
Colour :	Cream to yellow				
Appearance :	Homogeneous Free Flowing powder				
(II) Rehydrated medium					
pH (post autoclaving/heating) :	7.3 ± 0.2				
Colour (post autoclaving/heating) :	Light amber				
Clarity (post autoclaving/heating) :	Clear to slightly opalescent				
(III) Q.C. Test Microbiological					
Cultural characteristics observed with added Anthracis Selective Supplement (BF129), after an incubation at 35-37°C for 36-40 hours.					
MICROORGANISM (ATCC)	GROWTH				
Bacillus anthracis(14578)	uxuriant				
Bacillus cereus(10876)	inhibited				
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 recommended for the selective isolation and cultivation of Bacillus anthracis .				
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
B1242	40.34g/l	12.39L	7.3 ± 0.2	Anthracis Selective Supplement (BF129)	121 ⁰ 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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