

**TECHNICAL SHEET**

<b>B1243</b>	<b>PLET AGAR BASE, MODIFIED</b>			
<b>Formula</b>				
<b>Ingredients :</b>		<b>gms/lit.</b>		
Beef heart, infusion from		500.00		
Tryptose		10.00		
Sodium chloride		5.00		
EDTA		0.35		
Thallos acetate		0.04		
Agar		15.00		
Final pH (at 25°C) : 7.3 ± 0.2				
<b>Directions :</b>				
Suspend 40.40 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.				
<b>Principle :</b>				
Beef heart infusion from solids and tryptose provide the carbonaceous and nitrogenous compounds necessary for growth whereas sodium chloride provides the osmotic equilibrium. Thallos 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.				
<b>QC Tests - (I)Dehydrated Medium</b>				
Colour :		Cream to yellow		
Appearance :		Homogeneous Free Flowing powder		
<b>(II)Rehydrated medium</b>				
pH (post autoclaving/heating) :		7.3 ± 0.2		
Colour (post autoclaving/heating) :		Light amber		
Clarity (post autoclaving/heating) :		Clear to slightly opalescent		
<b>(III)Q.C. Test Microbiological</b>				
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		
Staphylococcus aureus(25923)		inhibited		
<b>Precautions :</b>		1. For Laboratory Use.		
		2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.		
<b>Limitations :</b>		1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.		
<b>Use :</b>		It is recommended for the selective isolation and cultivation of Bacillus anthracis .		
<b>Storage :</b>		Dehydrated medium- below 30°C Prepared medium- Between 2 to 8°C.		
<b>Packing :</b>		500 gm. bottle		
<b>Product profile:</b>		Reconstitution	Quantity on Preparation(500g)	pH (25°C)
		Supplement	Sterilization	
<b>B1243</b>	40.40 g/l	12.37 L	7.3 ± 0.2	Anthracis Selective Supplement (BF129) 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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