

**TECHNICAL SHEET**

<b>B108</b>	<b>B.A.G.G. BROTH BASE(BUFFERED AZIDE GLUCOSE GLYCEROL BROTH BASE)</b>				
<b>Formula</b>					
<b>Ingredients :</b>		<b>gms/lit.</b>			
Tryptose		20.00			
Dextrose		5.00			
Dipotassium phosphate		4.00			
Monopotassium phosphate		1.50			
Sodium chloride	5.00				
Sodium azide		0.50			
Bromo cresol purple		0.015			
Final pH (at 25°C) : 6.9 ± 0.2					
<b>Directions :</b>					
Suspend 36.01gms. in 1000 ml. distilled water containing 5 ml glycerol. Dissolve the medium completely and dispense in test tubes in 10 ml amounts. Sterilize by autoclaving at 10 lbs pressure (115°C) for 15 minutes.					
<b>Principle :</b>					
The medium is well buffered for pH changes and osmotic changes by presence of phosphates and sodium chloride. Sodium azide inhibits growth of gram-negative bacteria. Bromo cresol purple is a pH indicator and dextrose utilization produces acid reaction which is indicated by colour change from purple to yellow.					
<b>QC Tests – (I)Dehydrated Medium</b>					
Colour :		Light yellow to purple			
Appearance :		Homogeneous Free Flowing powder			
<b>(II)Rehydrated medium</b>					
pH (post autoclaving/heating) :		6.9 ± 0.2			
Colour (post autoclaving/heating) :		Purple			
Clarity (post autoclaving/heating) :		Clear			
<b>(III)Q.C. Test Microbiological</b>					
Cultural characteristics observed after 18 - 24 hrs at 45°C.					
MICROORGANISM (ATCC )		GROWTH	ACID		
Streptococcus bovis (27960)		Luxuriant	+		
Enterococcus faecalis (29212)		Luxuriant	+		
Streptococcus pyogenes (19615)		Inhibited	-		
Enterobacter aerogenes (13048)		Inhibited	-		
Escherichia coli (25922)		Inhibited	-		
Key : + = Positive, yellow colour throughout the medium. - = No change, medium remains purple.					
<b>Precautions :</b>	<ol style="list-style-type: none"> <li>1. For Laboratory Use.</li> <li>2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.</li> <li>3. IRRITANT. Harmful by inhalation and if swallowed. Irritating to eyes, respiratory system and skin. Avoid contact with skin and eyes. Do not breathe dust. Wear suitable protective clothing. Keep container tightly closed. Target organ(s) : Cardiovascular, Lungs, Nerves.</li> </ol>				
<b>Limitations :</b>	<ol style="list-style-type: none"> <li>1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.</li> <li>2. The concentration of the medium must be adjusted to the inoculum size.</li> </ol>				
<b>Use :</b>	For detection of faecal Streptococci (group D) from clinical specimens and other material of sanitary significance.				
<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>B108</b>	<b>36.01g/l</b>	13.888L	6.9 ± 0.2	glycerol	115°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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