

<b>B442</b>	<b>BUFFERED GLYCEROL SALINE BASE</b>					
<b>Formula</b>						
<b>Ingredients :</b>		<b>gms/lit.</b>				
Sodium chloride		4.20				
Dipotassium phosphate		3.10				
Monopotassium phosphate		1.00				
Phenol red		0.003				
Final pH (at 25°C) : 7.2 ± 0.2						
<b>Directions :</b>						
Suspend 8.3 gms. in 700 ml. distilled water. Add 300 ml of glycerol. Mix well and dispense in screw capped tubes or suitable containers. Sterilize by autoclaving at 15lbs pressure (121°C) for 15 minutes.						
<b>Principle :</b>						
This medium was first reported by Teague and Clurman and later modified by Sachs. Buffered Glycerol Saline is used for collection and transportation of faecal specimens. Prepared medium should have a light pink colour indicating slightly alkaline pH. If the medium turns yellow i.e. acidic then it should be discarded because of unfavourable effect on dysentery bacilli if they are present in the specimens.						
<b>QC Tests - (I) Dehydrated Medium</b>						
Colour :		Light pink				
Appearance :		Homogeneous Free Flowing powder				
<b>(II) Rehydrated medium</b>						
pH (post autoclaving/heating) :		7.2 ± 0.2				
Colour (post autoclaving/heating) :		Light pink				
Clarity (post autoclaving/heating) :		Clear				
<b>(III) Q.C. Test Microbiological</b>						
Cultural characteristics observed after 18 -24 hrs at 35-37°C.						
MICROORGANISM (ATCC )		GROWTH				
Neisseria meningitidis (13090)		Luxuriant				
Staphylococcus epidermidis (12228)		Luxuriant				
Streptococcus pneumoniae (6303)		Luxuriant				
Streptococcus pyogenes (19615)		Luxuriant				
Staphylococcus aureus (25923)		Luxuriant				
<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>						
For collection and transportation of faecal specimens.						
<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>B442</b>		8.3g/l	60.24L	7.2 ± 0.2	NIL	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 BIOMARK LABORATORIES publications.

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