B442	**BUFFERED GLYCEROL SALINE BASE**
Formula	
Ingredients :	**gms/lit.**
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	
Directions :	
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.	
Principle :	
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.	
QC Tests – (I)Dehydrated Medium	
Colour :	Light pink
Appearance :	Homogeneous Free Flowing powder
(II)Rehydrated medium	
pH (post autoclaving/heating) :	7.2 ± 0.2
Colour (post autoclaving/heating) :	Light pink
Clarity (post autoclaving/heating) :	Clear
(III)Q.C. Test Microbiological	
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

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 :	For collection and transportation of faecal specimens.
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
B442	8.3g/l	60.24L	7.2 ± 0.2	NIL	121^0C / 15 minutes