B1183	GELATIN PHOSPHATE BUFFER

Formula

Ingredients :	**gms/lit.**
Sodium dihydrogen phosphate	4.00
Gelatin	2.00

Final pH (at 25°C) : 6.2 ± 0.2

Directions :

Suspend 6.0 grams in 1000 ml distilled water. Boil to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Mix well and dispense as desired.

Principle :

Botulinum toxin (botox) types A-G are produced by heterogeneous stains of Clostridium botulinum. Botox types A,B,E and F have caused serious and sometimes fatal, cases of food borne illness in humans. The vast majority of botulinum outbreaks in red meat and poultry products have involved either toxin A or B. The current botulinum toxin test method is the mouse bioassay procedure. Gelatin Phosphate Buffer is one of the reagent used in this test method.

QC Tests – (I)Dehydrated Medium	
Colour :	Cream to yellow
Appearance :	Homogeneous coarse powder
(II)Rehydrated medium	
pH (post autoclaving/heating) :	6.2 ± 0.2
Color (post autoclaving/heating) :	Colourless
Clarity(postautoclaving/heating) :	clear solution forms in tubes.
(III)Q.C. Test Microbiological	

Cultural characteristics observed after 24 –48 hrs. at 35-37°C.

MICROORGANISM (ATCC)	GROWTH	GELATINASE REACTION
Clostridium botulinum (25723)	Luxuriant	Positive reaction

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 isrecommended for toxin detection in food products when Clostridium botulinum is suspected.
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
B1183	6.0 g/l	83.333L	6.2 ± 0.2	nil	121^0C / 15 minutes

Rev: December 2020