

**TECHNICAL SHEET**

<b>B1183</b>	<b>GELATIN PHOSPHATE BUFFER</b>					
<b>Formula</b>						
<b>Ingredients :</b> <span style="float:right"><b>gms/lit.</b></span>						
Sodium dihydrogen phosphate 4.00						
Gelatin 2.00						
Final pH (at 25°C) : 6.2 ± 0.2						
<b>Directions :</b>						
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.						
<b>Principle :</b>						
Botulinum toxin (botox) types A-G are produced by heterogeneous strains 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.						
<b>QC Tests - (I) Dehydrated Medium</b>						
Colour :		Cream to yellow				
Appearance :		Homogeneous coarse powder				
<b>(II) Rehydrated medium</b>						
pH (post autoclaving/heating) :		6.2 ± 0.2				
Color (post autoclaving/heating) :		Colourless				
Clarity (post autoclaving/heating) :		clear solution forms in tubes.				
<b>(III) Q.C. Test Microbiological</b>						
Cultural characteristics observed after 24 -48 hrs. at 35-37°C.						
MICROORGANISM (ATCC )		GROWTH		GELATINASE REACTION		
Clostridium botulinum (25723)		Luxuriant		Positive reaction		
<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 toxin detection in food products when Clostridium botulinum is suspected.				
<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>B1183</b>	6.0 g/l		83.333L	6.2 ± 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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