

**BIOMARK Laboratories-INDIA**

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**TECHNICAL SHEET**

<b>B129</b>	<b>BUFFERED PEPTONE WATER</b>					
<b>Formula</b>						
<b>Ingredients :</b>		<b>gms/lit.</b>				
Proteose peptone		10.00				
Sodium chloride		5.00				
Disodium phosphate		3.50				
Monopotassium phosphate		1.50				
Final pH (at 25°C) : 7.2 ± 0.2						
<b>Directions :</b>						
Suspend 20.00 grams in 1000 ml distilled water. Heat if necessary, to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. I						
<b>Principle :</b>						
The media contain proteose peptone as a source of carbon, nitrogen, vitamins and minerals. Sodium chloride maintains the osmotic balance and phosphates buffer the medium.						
<b>QC Tests - (I) Dehydrated Medium</b>						
Colour :		Cream to Pale yellow				
Appearance :		Homogeneous Free Flowing powder				
<b>(II) Rehydrated medium</b>						
pH (post autoclaving/heating) :		7.2 ± 0.2				
Colour (post autoclaving/heating) :		Light yellow to light amber				
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				
Salmonella enteritidis (13076 )		Luxuriant				
Salmonella typhi (19430 )		Luxuriant				
Salmonella typhimurium (14028 )		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.				
		2. The types and numbers of competing flora in the test sample can affect recovery and may overgrow salmonellae.				
<b>Use :</b>		Used as pre -enrichment medium increasing the recovery of injured Salmonella species from foods prior to selective enrichment and isolation.				
<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>B129</b>	20g/l	25L	7.2 ± 0.2	NIL	121°C / 15 minutes	