

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B1558	BUFFERED PEPTONE WATER					
Formula						
Ingredients:			gms/lit.			
Casein peptone			10.00			
Sodium chloride			5.00			
Disodium hydrogen phosphate.12H2O			9.00			
Potassium dihydrogen phosphate			1.50			
Final pH (at 25°C) : 7.0 ± 0.2						
Directions :						
Suspend 20.07 grams(equivalent weight of dehydrated medium) in 1000 ml purified/ distilled water. Heat if necessary to dissolve the medium completely. Dispense as desired and sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.						
Principle :						
Buffered Peptone Water contains casein peptone as a source of carbon, nitrogen, vitamins and minerals. Sodium Chloride maintains the osmotic balance. Phosphates buffer the medium.						
QC Tests - (I)Dehydrated Medium						
Colour :		Cream to yellow				
Appearance :		Homogeneous Free Flowing powder				
(II)Rehydrated medium						
pH (post autoclaving/heating) :		7.0 ± 0.2				
Colour (post autoclaving/heating) :		Light yellow				
Clarity (post autoclaving/heating) :		Clear solution				
(III)Q.C. Test Microbiological: ISO 6579 & ISO 21528						
Cultural characteristics observed after an incubation at 35-37°C for 18-24 hours.(Recovery is observed on XLD Agar, M0311).						
MICROORGANISM (ATCC)			GROWTH			
Salmonella enteritidis (13076)			Luxuriant			
Salmonella typhimurium (14028)			Luxuriant			
Salmonella typhi (6539)			Luxuriant			
Escherichia coli (25922)			Fair-good			
Pseudomonas aeruginosa (27853)			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. 2. The types and numbers of competing flora in the test sample can affect recovery and may overgrow salmonellae.				
Use :		It is used as pre-enrichment medium for increasing the recovery of injured Salmonella species from foods prior to selective enrichment and isolation. The composition and performance criteria of this medium are as per the applications laid down in ISO 6579-2017 , ISO 6887 and ISO 21528-2017.				
Storage :		Dehydrated medium- Below 30°C. Prepared mediums- Between 2 - 8°C.				
Packing :		500 gm. bottle				
Product profile:		Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
B1558		25.50g/l	19.607L	7.0 ± 0.2	NIL	121°C / 15 minutes

Refer disclaimer Overleaf

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 BIOMARKLABORATORIES publications.

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