

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

BH955	BUFFERED SODIUM CHLORIDE PEPTONE SOLUTION PH 7.0		
Formula			
Ingredients:	Gms /lit.		
Peptone (meat or casein)	1.00		
Sodium chloride	4.30		
Disodium hydrogen phosphate dihydrate	7.23		
Potassium dihydrogen phosphate	3.60		
Final pH (at 25°C) : 7.0			
Directions :			
Suspend 14.64 grams (the equivalent weight of dehydrated medium per Litre) in 1000 ml purified /distilled water. Heat if necessary, to dissolve the medium completely. For preparation of nonfatty products insoluble in water, add 0.1 % w/v Polysorbate 80 to assist the suspension of poorly wettable substances. Dispense in tubes or flasks or as desired and sterilize by autoclaving at 15 lbs pressure 121°C for 15 minutes or as per validated cycle.			
Principle :			
Peptone (meat or casein) serves as nutrient source and maintains the cell viability. Phosphates in the medium act as good buffering agents. Sodium chloride maintains the osmotic balance and cell integrity. Polysorbates reduce surface tension and also inactivate phenolic compound, if present in the test sample. Preparation of test strain is recommended in Buffered Sodium chloride-Peptone solution pH 7.0 at 30-35°C where in there is no multiplication of organisms or there is no decrease in count for upto 4 hours.			
QC Tests – (I)Dehydrated Medium			
	Colour :	White to Cream	
	Appearance :	Homogeneous Free Flowing powder	
(II)Rehydrated medium			
	pH (post autoclaving/heating) :	7.0	
	Colour (post autoclaving/heating) :	Colorless to pale yellow	
	Clarity (post autoclaving/heating) :	Clear	
(III)Q.C. Test Microbiological			
Cultural characteristics observed after 18 –24 hrs at 35-37°C.			
	MICROORGANISM (ATCC)	Recovery within 2 hours of incubation	Recovery within 4 hours of incubation
	Escherichia coli ATCC 8739	no decrease in colony count	no decrease in colony count
	Escherichia coli ATCC 25922	no decrease in colony count	no decrease in colony count
	Staphylococcus aureus ATCC 6538	no decrease in colony count	no decrease in colony count
	Staphylococcus aureus ATCC 25923	no decrease in colony count	no decrease in colony count
	Pseudomonas aeruginosa ATCC 27853	no decrease in colony count	no decrease in colony count
	Pseudomonas aeruginosa ATCC 9027	no decrease in colony count	no decrease in colony count
	Salmonella Typhimurium ATCC 14028	no decrease in colony count	no decrease in colony count
	Salmonella Abony NCTC 6017	no decrease in colony count	no decrease in colony count
	Candida albicans ATCC 10231	no decrease in colony count	no decrease in colony count
	Refer disclaimer overleaf		
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	Candida albicans ATCC 2091	no decrease in colony count	no decrease in colony count	no decrease in colony count (stored at 2-8°C)	
	Micrococcus luteus ATCC 9341	no decrease in colony count	no decrease in colony count	no decrease in colony count (stored at 2-8°C)	
Precautions :	1. For Laboratory Use.				
	2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.				
	3. May be Irritating to eyes, respiratory system and skin. Avoid contact with skin and eyes. Do not breathe dust. Wear suitable protective clothing. Keep container tightly closed.				
Limitations :	1. This medium contains fewer nutrients and is not recommended for the growths of microorganisms.				
	2. Further biochemical and serological testing is required for complete identification.				
Use :	Recommended as a diluent for carrying out microbial limit testing by harmonized methodology of pharmaceutical products in accordance with USP/EP/BP/JP/IP				
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
BH955	14.64 g/l	34.153 L	7.0	Nil	121 ⁰ C/ 15 min.

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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