## **BIOMARK Laboratories-INDIA**

www.biomarklabs.com

# **TECHNICAL SHEET**

Formula         Gms/lit.           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         Disodium chloride           Directions :         3.60           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 at 0 to assist the suspension of poorly wetable 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 olution pH7 0 at 30-35°C Were in the test is no multiplication of organisms or there is no decrease in count for upto 4 hours.           QC Tests – (Dbehydrated Medium         Vinite to Cream           Appearance :         Homogeneous Free Flowing powder           (I)Q.C. Test Microbiological         Coloure (post autoclaving/heating) :	BH955	<b>BUFFERED SODIUM CHLORIDE PEPTONE SOLUTION PH 7.0</b>									
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 :       Perinciple :         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 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	Formula										
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Instruction of the control of the c	Escherichia coli ATCC 8739		no decrease in colony count		no decrease in colony	no decrease in colony count					
Escherichia coli ATCC 25922       no decrease in colony count       no decrease in colony count       no decrease in colony count (stored at 2-8°C)         Staphylococcus aureus ATCC 6538       no decrease in colony count       no decrease in colony count (stored at 2-8°C)         Staphylococcus aureus ATCC 25923       no decrease in colony count       no decrease in colony count (stored at 2-8°C)         Staphylococcus aureus ATCC 25923       no decrease in colony count       no decrease in colony count (stored at 2-8°C)					count	(stored at 2-8°C)					
Staphylococcus aureus ATCC 6538       no decrease in colony count       no decrease in colony count       no decrease in colony count         Staphylococcus aureus ATCC 25923       no decrease in colony count       no decrease in colony count       no decrease in colony count         Staphylococcus aureus ATCC 25923       no decrease in colony count       no decrease in colony count       no decrease in colony count	Escherichia coli ATCC 25922		no decrease in colony count		no decrease in colony	no decrease in colony count					
Staphylococcus aureus ATCC 6538       no decrease in colony count       no decrease in colony count       no decrease in colony count         Staphylococcus aureus ATCC 25923       no decrease in colony count       no decrease in colony count       no decrease in colony count         Staphylococcus aureus ATCC 25923       no decrease in colony count       no decrease in colony count       no decrease in colony count					count	(stored at 2-8°C)					
Staphylococcus aureus ATCC 25923     no decrease in colony count     no decrease in colony count       Staphylococcus aureus ATCC 25923     no decrease in colony count     no decrease in colony count	Staphylococcus aureus ATCC 6538 no de		no decrease ir	colony count	no decrease in colony	no decrease in colony count					
Staphylococcus aureus ATCC 25923         no decrease in colony count         no decrease in colony         no decrease in colony count					count	(stored at 2-8°C)					
	Staphylococcus aureus	ATCC 25923	no decrease ir	colony count	no decrease in colony	no decrease in colony count					
count (stored at $2-8^{\circ}$ C)			5		count	(stored at 2-8°C)					
Pseudomonas aeruginosa ATCC no decrease in colony count no decrease in colony count	Pseudomonas aeruginos	a ATCC	no decrease ir	colony count	no decrease in colony	no decrease in colony count					
27853 (stored at 2-8°C)	27853		5		count	(stored at 2-8°C)					
Pseudomonas aeruginosa ATCC no decrease in colony count no decrease in colony count	Pseudomonas aeruginosa ATCC n		no decrease in colony count		no decrease in colony	no decrease in colony count					
9027 (stored at 2-8°C)	9027				count	(stored at 2-8°C)					
Salmonella Typhimurium ATCC no decrease in colony count no decrease in colony no decrease in colony count	Salmonella Typhimurium ATCC no decrease i			colony count	no decrease in colony	no decrease in colony count					
14028 (stored at 2-8°C)	14028			<b>,</b>	count	(stored at 2-8°C)					
Salmonella Abony NCTC 6017 no decrease in colony count no decrease in colony no decrease in colony count	Salmonella Abony NCTC 6017 no decrease		no decrease in	colony count	no decrease in colony	no decrease in colony count					
count (stored at 2-8°C)				j	count	(stored at 2-8°C)					
Candida albicans ATCC 10231 no decrease in colony count no decrease in colony count	Candida albicans ATCC 10231 no decrease in		colony count	no decrease in colonv	no decrease in colony count						
count (stored at 2-8°C)				count	(stored at 2-8°C)						
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Refer disclaimer overleaf	Refer disclaimer overlea										

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#### **TECHNICAL SHEET**

	Candida albicans ATCC 2091		no decrease in colony cour	nt no decrea	se in colony	no decrease in colony count				
				count	2	(stored at 2-8°C)				
Micrococcus luteus ATCC 9341		s luteus ATCC 9341	no decrease in colony cour	nt no decrea	se in colony	no decrease in colony count				
				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 conta			ains 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								
Stora	ige:	Dehydrated medium- below 30°C Prepared medium- Between 2 to 8°C.								
Pack	ing :	500 gm. bottle								
<b>Product profile:</b>		Reconstitution	Quantity on	pH (25°C)	Supplement	Sterilization				
			Preparation (500g)							
BH95	55	14.64 g/l	34.153 L	7.0	Nil	121°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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