BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B129	**BUFFERED PEPTONE WATER**
Formula	
Ingredients :	**gms/lit.**
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	
Directions :	
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. If desired, aseptically add rehydrated contents of 1 vial of ECO157: H7 Selective Supplement (BF166) for enrichment of Escherichia coli O157 to previously cooled to 45-50°C medium. Mix well and dispense into sterile tubes or flasks as desired.	
Principle :	
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.	

QC Tests – (I)Dehydrated Medium	
Colour :	Cream to yellow
Appearance :	Homogeneous Free Flowing powder
(II)Rehydrated medium	
pH (post autoclaving/heating) :	7.2 ± 0.2
Colour (post autoclaving/heating) :	Light yellow
Clarity (post autoclaving/heating) :	Clear
(III)Q.C. Test Microbiological	
Cultural characteristics observed after 18 –24 hrs at 35-37°C (Recovery is carried out using XLD Agar, B361)	
MICROORGANISM (ATCC)	GROWTH
Salmonella enteritidis (13076)	Good-luxuriant
Salmonella typhi (6539)	Good-luxuriant
Salmonella typhimurium (14028)	Good-luxuriant
Escherichia coli 0157:H7 (NCTC 12900)	Good-luxuriant (Recovery on tryptone soya agar B039)

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:	Recommended as a pre-enrichment medium used for increasing the recovery of injured Salmonella species from food prior to selective enrichment and isolation and also from samples
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
B129	20g/l	25L	7.2 ± 0.2	Nil	121^0C / 15 minutes