

BUFFER PEPTONE WATER (9 ML)

INTENDED USE:

A pre-enrichment medium to be used prior to selective enrichment for the isolation of Salmonella species from foods.

PRINCIPLE AND INTERPRETATION:

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. The broth is rich in nutrients and produces high resuscitation rates for sublethally injured bacteria and supports intense growth. The phosphate buffer system prevents bacterial damage due to changes in the pH of the medium.

COMPOSITION:

Ingredients	Gr/Liter
Peptone	10.0 gr
Sodium chloride	5.0 gr
Disodium phosphate	3.5 gr
Potassium dihydrogen phosphate	1.5 gr

***Formula adjusted, standardized to suit performance parameters

pH: 7,2 ± 0,2

PRECAUTIONS:

For professional use only. Do not use tubes if they show evidence of microbial contamination, discoloration or other signs of deterioration.

TEST PROCEDURE:

Incubation at a temperature of 35±2°C and observed after 18-24 hours.

QUALITY CONTROL:**1.Sterility Control:**

Incubation 2 d at 30-35°C and 3 d at 20-25°C: NO GROWTH

2.Physical/Chemical Control

pH: 7,2 ± 0,2

Apperance: Light amber

3.Microbiological Control: Incubation at a temperature of 35±2°C and observed after 18-24 hours.

Microorganism	Inoculum (CFU)	Results	
		Growth	Reaction
Staphylococcus aureus ATCC 6538	10-100	Good	Good
Pseudomonas aeruginosa ATCC 9027	10-100	Good	Good
Bacillus subtilis ATCC 6633	10-100	Good	Good
E. coli ATCC 8739	10-100	Good	Good
Salmonella typhimurium ATCC 14028	10-100	Good	Good
Candida albicans ATCC 10231	10-100	Good	Good

STORAGE CONDITIONS AND SHELF LIFE:

Store the prepared medium at 2- 12°C. Use before expiry date on the label. Do not use beyond stated expiry date.

DISPOSAL:

Incubated medium may contain active bacteria and micro-organisms. Do not open infected medium. Infected tube should be autoclaved, incinerated or opened and soaked in a chlorine-based disinfectant (liquid bleach) for 20 minutes prior to disposal.

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PACKAGING:

Katalog Number: 01003

Content/Packaging:50 Tubes/Box

REFERENCES:

1. Edel and Kampelmacher, 1973, Bull. W.H.O., 48:167.
2. Sadovski, 1977, J. Food Technol., 12:85.
3. Juven, Cox, Bailey, Thomson, Charles and Schutze, 1984, J. Food Prot., 47:299.
4. Angelotti, 1963, Academic Press, New York, N.Y.

STERILE | **A**

Aseptic Sterile

LOT

Batch Code

REF

Catalogue Number

CONTROL | **-**

Negative Controls

CONTROL | **+**

Positive Controls



Use by



Temperature
Limitation



Do not reuse



Contains sufficient
for <n> tests



Look at user manual



Manufacturer