

# BUFFERED PEPTONE WATER (45 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 gr
Sodium chloride	5 gr
Disodium phosphate	3,5 gr
Potassium dihydrogen phosphate	1,5 gr

\*\*\*Formula adjusted, standardized to suit performance parameters

pH: 7,0 ± 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:**

Inoculate 25 grams specimen in 225 ml of these media and incubate at 35-37°C for 18 hours.

Transfer 10 ml from this medium to 100 ml of RVS broth and incubate at 43°C for 24 - 48 hours and then subculture on selective plating media.

Examine the plates for characteristic Salmonella colonies.

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

Incubation 48 hours at 30-35°C and 72 hours at 20-25°C: NO GROWTH

**2.Physical/Chemical Control**

pH: 7,0 ± 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
<i>Staphylococcus aureus</i> ATCC 6538	10-100	Good
<i>Pseudomonas aeruginosa</i> ATCC 9027	10-100	Good
<i>Bacillus subtilis</i> ATCC 6633	10-100	Good
<i>Escherichia coli</i> ATCC 8739	10-100	Good
<i>Salmonella typhimurium</i> ATCC 14028	10-100	Good
<i>Candida albicans</i> ATCC 10231	10-100	Good

**STORAGE CONDITIONS AND SHELF LIFE:**

Store the prepared medium at 2 - 12°C or 2-25°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.

## PACKAGING:

**Katalog Number:** 01132

**Content/Packaging:** Screw cap x 20 piece /box

## REFERENCES:

1. Edel and Kampelmacher, 1973, Bull. W.H.O., 48:167.
2. Sadvski, 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.



Aseptic Sterile



Use by



Look at user manual



Batch Code



Temperature  
Limitation



Manufacturer



Catalogue Number



Do not reuse



Negative Controls



Contains sufficient  
for <n> tests



Positive Controls