

P Phosphate-Buffered Peptone Water

Art. No. 02-568

Specification

Liquid non-selective pre-enrichment medium.

Formula* in g/L

Peptone.....10,00
Sodium chloride.....5,00
Disodium phosphate.....3,50
Potassium phosphate.....1,50
Final pH 7,2 ± 0,2 at 25°C

* Adjusted and /or supplemented as required to meet performance criteria

Directions

Dissolve 20 g of powder in 1 L of distilled water, heating if necessary.
Distribute in suitable containers and sterilize in the autoclave at 121°C for 15 minutes.

Description

This medium is produced according the formulation of the *Schweizerisches Lebensmittelbuch* and is recommended for use in non-selective pre-enrichment for sub-lethally injured cells of the enterobacteria group in food or in others samples.

References

- BEKERS, H.J. (1987) Studies with salmonellae. J. Appl. Bact. 62:97-112.
- SCHWEIZERISCHES LEBENSMITTELBUCH (1992) 5th ed. Chapter 56A.

Storage

For laboratory use only. Keep tightly closed, away from bright light, in a cool dry place (+4°C to 30°C and <60% RH).

Quality control

Incubation temperature: 35°C ± 2,0

Incubation time: 24 h (TSA)

Inoculum: 10-100 CFU (according to standard ISO/TS 11133-1/2) // Time: 0 and Time: 45 minutes

Microorganism	Growth	Remarks
<i>Staphylococcus aureus</i> ATCC 6538	Good	Satisfactory recovery on TSA
<i>Pseudomonas aeruginosa</i> ATCC 9027	Good	Satisfactory recovery on TSA
<i>Escherichia coli</i> ATCC 8739	Good	Satisfactory recovery on TSA
<i>Candida albicans</i> ATCC 10231	Good	Satisfactory recovery on SAB
<i>Salmonella typhimurium</i> ATCC 14028	Good	Satisfactory recovery on TSA
<i>Bacillus subtilis</i> ATCC 6633	Good	Satisfactory recovery on TSA