

Specification

Diluent and non-selective pre-enrichment broth for the homogenization of food samples formulated according to ISO standar.

Presentation

10 Prepared bottle
Bottles 500 ml
with: 300 ± 5 ml

Packaging Details

1 box with 10 bottles 500 ml. Injectable cap: Plastic screw inner cap. The use of syringes needles with a diameter greater than 0.8 mm is not recommended.

Shelf Life

16 months

Storage

8-25°C

Composition

Composition (g/l):

Peptone..... 10.0
Sodium chloride..... 5.00
Disodium phosphate 12 H₂O..... 9.00
Potassium phosphate..... 1.50
Polysorbate 80 5.00

Description /TechniqueDescription:

This formulation of Buffered Peptone Water has the advantages of the two classical diluents used for food samples: it has the property of revitalization of the peptone water and the pH change absorbing capacity of the phosphate buffer.

The composition of this diluent is made according to the specification of the ISO Standard 6579 for the detection of Salmonella in foods and other ISO Standards (6785, 6887 and 8261).

In this culture medium it was added Polysorbate 80 to improve emulsion samples of foods high in fat, according to the recommendations of the ISO 6887-2.

Tecnique:

Use the medium according to intended purposes, samples and validated methods.

Quality controlPhysical/Chemical control

Color : yellow

pH: 7 ± 0.2 at 25°C

Microbiological control

Prepare tubes / Inoculate 10³- 10⁴ (Productividad)/ subculture after holding at 20-25°C for 45 min. to 1 h.
Microbiological control according to ISO 11133:2014/ Adm 1:2018.

Aerobiosis. Incubation at 36 ± 2°C, reading at 18±2 h

Microorganism

Stph. aureus ATCC® 25923, WDCM 00034
Escherichia coli ATCC® 25922, WDCM 00013
Escherichia coli ATCC® 8739, WDCM 00012
Salmonella typhimurium ATCC® 14028, WDCM 00031
Salmonella enterica ATCC® 13076, WDCM 00030

Growth

Good. Recovery ±30% T0 (original enumeration)
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Good
Good
Good

Sterility Control

Incubation 48 hours at 30-35°C and 48 hours at 20-25°C: NO GROWTH
Check at 7 days after incubation in same conditions

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