

Specification

Diluent and non-selective pre-enrichment broth for the homogenization of food samples formulated according to ISO 6579, ISO 8523 and ISO 6785.

Presentation

10 Prepared bottle
Bottle 250 ml
with: 200 ± 10 g

Packaging Details

1 box with 10 bottles 250 ml
Injectable cap: Plastic screw inner cap + elastomer
septum + protective outer cap + shrink wrapped plastic

Shelf Life

16 months

Storage

8-25°C

Composition

Composition (g/l):

Peptone..... 10,0
Sodium chloride..... 5,00
Disodium phosphate..... 9,00
Potassium phosphate..... 1,50

Description /Technique

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).

Quality control

Physical/Chemical control

Color : yellow

pH: 7 ± 0,2

Microbiological control

Aerobiosis. Incubation at 35 ± 2°C. Reading at 24 hours.

Microorganism

Growth

Bacillus subtilis ATCC 6633

Good

Candida albicans ATCC 10231

Good

Escherichia coli ATCC 8739

Good

Salmonella typhimurium ATCC 14028

Good

Staphylococcus aureus ATCC 25923

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

(Sterilized by autoclaving at 121 °C for 15 minutes)

Bibliography

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