

Specification

Diluent for the homogenization of samples for the microbiological examination according to the European Pharmacopoeial Harmonised Method and ISO standard.

Presentation

10 Prepared bottles
Bottle 125 ml
with: 90 ± 3 ml

Packaging Details

1 box with 10 bottles 125 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..... 1.00
Sodium chloride..... 4.30
Disodium phosphate dihydrate..... 7.23
Potassium dihydrogen phosphate..... 3.60

Description /Technique

Description:

This solution is recommended by the European Pharmacopoeia to dilute samples for microbiological examination.

Technique:

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

Quality control

Physical/Chemical control

Color : Colourless pH: 7 ± 0.2 at 25°C

Microbiological control

Prepare tubes / Inoculate 10^3 - 10^4 (Productividad)/ subculture after holding at 20-25°C for 45 min. to 1 h.

Aerobiosis. Incubation at $35 \pm 2^\circ\text{C}$, reading after 18-24 hours

Microorganism

Bacillus subtilis ATCC® 6633, WDCM 00003
Staphylococcus aureus ATCC® 6538, WDCM 00032
Ps. aeruginosa ATCC® 9027, WDCM 00026
Escherichia coli ATCC® 8739, WDCM 00012
Candida albicans ATCC® 10231, WDCM 00054
Salmonella typhimurium ATCC® 14028, WDCM 00031

Growth

Good. Recovery $\pm 30\%$ T0 (original enumeration)
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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

Bibliography

- COLIPA (1997) Guidelines on Microbial Quality Management (MQM). Brussels.
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- ISO 21149 Standard (2017) Cosmetics - Microbiology - Enumeration and detection of aerobic mesophilic bacteria.
- ISO 21150 Standard (2015) Cosmetics - Microbiology - Detection of Escherichia coli.
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