

**Specification**

Saline solution for microbiology

**Presentation**

10 Prepared bottle  
Bottle 125 ml  
with: 100 ± 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**

12 months

**Storage**

8-25 °C

**Composition**

Composition (g/l):

Sodium chloride.....8.5

**Description /Technique**

The concentration of sodium chloride (0.85%) maintains a low osmotic balance and enables an isotonic solution to be obtained. Use according to the procedure described in the standards in use in the laboratory.

Note: Due to the low ionic strength of this solution, the range of the pH final value is extended.

**Quality control****Physical/Chemical control**

Color : Colourless

**Microbiological control**

Prepare tubes / Inoculate  $\leq 10^3$  CFU/ tube (productivity)/ Subculture on agar plates, after holding at 20-25°C for 45 min. to 1 h.

Analytical methodology according to ISO 11133:2014/A1:2018; A2:2020.

Aerobiosis. Incubation at 35 ± 2 °C, reading at 24-48 hours.

**Microorganism***Escherichia coli* ATCC® 25922, WDCM 00013*Stph. aureus* ATCC® 25923, WDCM 00034**Growth**

Good. Recovery ±30% T0 (original enumeration)

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**Sterility control**

Incubation 48 h at 30-35 °C and 48 h at 20-25 °C: NO GROWTH.

Check at 7 days after incubation in same conditions.

**Bibliography**

- ATLAS, R.M & L.C PARKS (1993) Handbook of Microbiological Media. CRC Press, London
- ISO 6887-1 (2017) standard General guidance for the preparation of dilution for microbiological examination
- GUNTER, S.E. (1954) Factors determining the viability of selected microorganisms in organic media. J. Bacteriol 67:628
- STRAKA, R.P. & J.L STOKES (1957) Rapid destruction of bacteria in commonly used diluents and its eliminations. Appl. Microbiol 5:21

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