



Reference: 064-BA0103

Scharlau Microbiology - Technical Data

Product: **PBS (Phosphate Buffered Saline)**

Specification

Buffered diluent for multiple uses in 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

16 months

Storage

8-25 °C

Composition

Composition (g/l):

Potassium dihydrogen phosphate..... 0.20
Disodium hydrogen phosphate..... 1.15
Sodium chloride..... 8.00
Potassium chloride..... 0.20

Description /Technique

Buffered diluent used in routine processes of preparation of dilution banks for several microbiological tests.

Inoculate according to final purpose, samples and validated methods.

Quality control

Physical/Chemical control

Color : Colourless

pH: 7.2 ± 0.1 at 25°C

Microbiological control

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

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

Aerobic. Incubation at 30-35 °C for 18-72h (bacteria) and 20-25 °C for 3-5 days (moulds and yeast).

Microorganism

Candida albicans ATCC® 10231, WDCM 00054
Staphylococcus aureus ATCC® 6538, WDCM 00032
Escherichia coli ATCC® 25922, WDCM 00013
Bacillus subtilis ATCC® 6633, WDCM 00003

Growth

Good. Recovery $\pm 30\%$ 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 (1997) Handbook of microbiological media. CRC Press. BocaRaton .Fla. USA.
- Dulbecco and Vogt (1954) J. Exp. Med. 99. 167-182.
- Paul J. (1965) 'Cell and Tissue Culture' 3rd ed, Livingstone Ltd., London.