Condalab

**Reference:** 4015 **Technical Data Sheet**

**Product:** **PBS**

## Specification

Buffered diluent for multiple uses in microbiology.

## Presentation

| | Packaging Details | Shelf Life | Storage |
|---|---|---|---|
| 20 Tubes<br>Tube 16 x 113 mm<br>with: 9 ± 0,1 ml | 1 box with 20 tubes, 16x113 mm glass tubes, ink labelled and metallic cap. | 16 months | 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**

Inoculate:Practical range 100±20 CFU; Min. 50 CFU (Productivity).

Subculture onto appropiate culture media after holding at 20-25°C for 45 min. to 1 h.

| Microorganism | Growth |
|---|---|
| *Candida albicans* ATCC® *10231, WDCM 00054* | Good. Recovery ±30% T0 (original enumeration) |
| *Staphylococcus aureus* ATCC® *6538, WDCM 00032* | Good. Recovery ±30% T0 (original enumeration) |
| *Escherichia coli* ATCC® *25922, WDCM 00013* | Good. Recovery ±30% T0 (original enumeration) |
| *Bacillus subtilis* ATCC® *6633, WDCM 00003* | Good. Recovery ±30% T0 (original enumeration) |

**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


· 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.