

## 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  
Non injectable cap

### 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 10<sup>3</sup>- 10<sup>4</sup> (Productividad)/ subculture after holding at 20-25°C for 45 min. to 1 h.  
Aerobiosis. Incubation at 35 ±2°C Reading at 48 h.

### 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 ±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

- 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.