

Buffered Sodium Chloride Peptone Solution pH 7.0

acc. harm. EP/USP/JP

TN 1025 500 g



Intended use

Dilution fluid for samples in case of microbiological contamination. Culture medium for testing non-sterile products. This culture medium is based on the recommendations of the harmonised method acc. to EP/USP/JP (2006).

Form

Powder

Colour

Whitish

Storage

Dry, tightly closed, at 10...25 °C.

Shelf life

5 years

Directions

Dissolve 14.6 in 1 litre distilled water and autoclave at 121 °C for 15 minutes.

Typical composition

Potassium dihydrogen phosphate	3.56 *
Disodium hydrogen phosphate anhydrous	5.77 *
Sodium chloride	4.3
Pancreatic digest of casein	1.0

*The concentration ratio results from the nominal pH value.

Final pH at 25 °C

7.0 ± 0.2

Microbiological quality control

Test strain	Inoculum CFU / 4.5 ml	Incubation	Recovery rate in %	Testing method
<i>Salmonella Typhimurium</i> ATCC 14028	10-100	aerobically, 2 h at 22.5 ± 2.5 °C	no change	Plating on Nutrient Agar, incubate aerobically for 22 ± 2 h at 36 ± 1 °C
<i>Escherichia coli</i> ATCC 8739	10-100	aerobically, 2 h at 22.5 ± 2.5 °C	no change	Plating on Nutrient Agar, incubate aerobically for 22 ± 2 h at 36 ± 1 °C
<i>Staphylococcus aureus</i> ATCC 6538	10-100	aerobically, 2 h at 22.5 ± 2.5	no change	Plating on Nutrient Agar, incubate aerobically for 22 ± 2 h at 36 ± 1 °C
<i>Pseudomonas aeruginosa</i> ATCC 9027	10-100	aerobically, 2 h at 22.5 ± 2.5	no change	Plating on Nutrient Agar, incubate aerobically for 22 ± 2 h at 36 ± 1 °C
<i>Bacillus subtilis</i> ATCC 6633	10-100	aerobically, 2 h at 22.5 ± 2.5	no change	Plating on Nutrient Agar, incubate aerobically for 22 ± 2 h at 36 ± 1 °C
<i>Clostridium sporogenes</i> ATCC 19404	10-100	aerobically, 2 h at 22.5 ± 2.5	no change	Plating on Nutrient Agar, incubate aerobically for 22 ± 2 h at 36 ± 1 °C
<i>Candida albicans</i> ATCC 10231	10-100	aerobically, 2 h at 22.5 ± 2.5	no change	Plating on Nutrient Agar, incubate aerobically for 22 ± 2 h at 36 ± 1 °C

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