

0.1% PEPTONE SALINE SOLUTION

Presentation

Flip-top plastic tube with 9ml.
Flask with 100ml, 225ml, or 250ml.

Sterilization method

Gamma irradiation.

Application

Used for dilution and pre-enrichment of microorganisms from food and other samples.

Principle

The presence of peptone favors the recovery of injured cells. Sodium chloride maintains osmotic balance in the medium.

How to use

Inoculate the sample according to the methodology used by the laboratory. Incubate for 18-24 hours at 35±2°C.

Quality Control

Test	Result
Sterility	Absence of microbial growth
<i>Staphylococcus aureus</i> ATCC 25923	Good growth after subculturing on non-selective agar with ±30% of the initial count
<i>Escherichia coli</i> ATCC 25922	Good growth after subculturing on non-selective agar with ±30% of the initial count
Appearance	Liquid medium, clear, very light yellow, without precipitates or visible particles
pH at 25°C	7.0 ± 0.2

Results interpretation

Microbial growth is evidenced by the turbidity of the medium. If growth is observed, perform microscopic analysis, subculture on selective media, and biochemical tests to identify isolated genera and species, if necessary. Perform the reading according to official compendia or internal laboratory methodology.

Precautions and special care

Product intended for *in vitro* diagnostic use only.
Restricted for use by professionals. Do not inhale or ingest.
Do not use the product beyond the expiration date, with signs of contamination, or if it has changed color. In the presence of contamination, the product should be immediately discarded.
Do not use the product if the packaging is damaged or tampered with.

Storage

Store between 2-35°C in a dry place and protect from light.

Shelf-life

1 year from the date of manufacture.

Disposal of the product

After use, the product must be handled at the generating unit before environmentally appropriate final disposal, in accordance with official regulations.

Quality Guarantee

bioBoaVista guarantees the quality of its products as long as they are used according to their respective instructions and in accordance with national and international references. bioBoaVista does not take responsibility for the use of its products for purposes other than those described and approved by the company. All clinical diagnoses should be analyzed in conjunction with clinical evidence and not solely based on laboratory results.

References

- ISO 11133:2014. Microbiology of food, animal feed and water - Preparation, production, storage and performance testing of culture media.
- ITAL. Manual de métodos de análise microbiológica de alimentos e água, 4ª ed, 2010.