

TSB BROTH

Presentation

Flask with 100ml.
Penicillin flask with 9ml or 100ml.

Sterilization method

Moist heat.

Application

TSB broth (Tryptic Soy Broth) is a nutritious culture medium used for sterility testing and growth of most species of bacteria, including fastidious bacteria and fungi.

Principle

Non-selective medium that, due to the addition of tryptone and soy peptone, allows the growth of fastidious microorganisms.

How to use

Inoculate according to the methodology used by the laboratory. Incubate for the time and temperature specified in the adopted technique.

Quality Control

Test	Result
Sterility	Absence of microbial growth
<i>Escherichia coli</i> ATCC 25922	Good growth with turbidity of the medium
<i>Staphylococcus aureus</i> ATCC 25923	Good growth with turbidity of the medium
<i>Bacillus subtilis</i> ATCC 6633	Good growth with turbidity of the medium
<i>Candida albicans</i> ATCC 10231	Good growth with turbidity of the medium
<i>Aspergillus brasiliensis</i> ATCC 16404	Good growth with turbidity of the medium
Appearance	Liquid medium, clear, medium amber, free of precipitates or visible particles
pH at 25°C	7.3 ± 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 2-15°C in a dry place and protect from light.

Shelf-life

90 days 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

1. Becton, Dickinson and Company. Difco & BBL Manual. Manual of Microbiological Culture Media, 2nd ed., 2009.
2. ISO 11133:2014. Microbiology of food, animal feed and water - Preparation, production, storage and performance testing of culture media.
3. Manual de Métodos de Análise Microbiológica de Alimentos, Livraria Varela, 3ª ed., 2007.
4. Merck Microbiology Manual. 12th ed.
5. Farmacopeia Brasileira, 5ª ed., vol. 1, 2010.