

**THIOGLYCOLLATE BROTH WITH INDICATOR
ANVISA #80429030003**
Presentation

Tube with 9ml or 10ml.
Flask with 100ml.
Penicillin flask with 100ml.

Sterilization method

Moist heat.

Application

Medium used for sterility tests and cultivation of aerobic, microaerophilic and facultative anaerobic microorganisms.

Principle

Thioglycollate broth is a well-buffered medium, so acidic or alkaline inocula cause insignificant changes in the medium's reaction. Resazurin is the indicator of the oxidation state of aerobes, and the dextrose included in the formula is for microorganisms that have vigorous growth in the presence of the carbohydrate.

How to use

If the upper portion of the medium is pink due to oxidation, anaerobic conditions can be restored by reheating for 10 minutes in boiling water or steam. Do not reheat more than once. Do not use the medium when the indicator reaches more than 1/3 of the broth volume. Use according to the methodology adopted 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>Pseudomonas aeruginosa</i> ATCC 27853	Good growth with turbidity of the medium
<i>Candida albicans</i> ATCC 10231	Good growth with turbidity of the medium
Appearance	Liquid medium, light amber to pink, clear, free of precipitates or visible particles
pH at 25°C	7.1 ± 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. ANVISA. Descrição dos meios de cultura empregados nos exames microbiológicos. Módulo IV, pág 11.
3. Manual Oxoid. Pág 2-210, 2000.
4. Oplustil, Carmen P. et al. Procedimentos básicos em microbiologia clínica. Ed. Sarvier São Paulo 2.ed., p282, 2004.