bioBoaVista	TECHNICAL DATA SHEET	Revision 4.0

LAURIL SULFATE TRYPTOSE BROTH

Presentation
Flip-top plastic tube with 10ml.

Sterilization method
Moist heat.

Application
Lauril Sulfate Tryptose broth is used in the growth of coliform microorganisms from materials of sanitary importance.

Principle
Lauril Sulfate Tryptose Broth contains lactose in its composition as a carbohydrate source that will be fermented by coliforms. Lactose fermentation with gas production is a presumptive test indicating the presence of coliforms. The sodium lauryl sulfate present in the broth inhibits other microorganisms that are not coliforms.

How to use
The procedure used depends on the type of material being analyzed and the methodology adopted by the laboratory. Incubate the tubes of Lauril Sulfate Tryptose at 35±0.5°C for 24±2 hours and observe growth and gas production. In case of positive growth and gas production, proceed with the identification tests adopted by the laboratory. In case of negative results, reincubate for an additional 24±2 hours and repeat the observation, proceeding to subsequent tests in case of growth with gas production.

Quality Control

Test	Result
Sterility	Absence of microbial growth
Salmonella enterica ATCC 14028	Good growth without gas production
Escherichia coli ATCC 25922	Good growth with gas production
Staphylococcus aureus ATCC 25923	Inhibited growth
Appearance	Liquid medium, clear amber, clear, free from precipitates or visible particles
pH at 25°C	6.8 ± 0.2

Results interpretation
Coliforms: Turbidity of the broth with gas production inside the Durham tube.

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.

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