

TRYPTIC SOY BROTH (5 ML)

INTENDED USE:

Tryptic Soy Broth is a general purpose liquid enrichment medium used in qualitative procedures for the sterility test and for the enrichment and cultivation of aerobic microorganisms that are not excessively fastidious. In clinical microbiology, it may be used for the suspension, enrichment and cultivation of strains isolated on other media.

PRINCIPLE AND INTERPRETATION:

Tryptic Soy Broth (TSB) is a nutritious medium that will support the growth of a wide variety of microorganisms, especially common aerobic and facultatively anaerobic bacteria. Because of its capacity for growth promotion, this formulation was adopted by The United States Pharmacopeia (USP) and the European Pharmacopeia (EP) as a sterility test medium.

COMPOSITION:

Ingredients	Gr/Liter
Pancreatic digest of casein	17 gr
Enzymatic digest of soya bean	3 gr
Sodium chloride	5 gr
Dipotassium hydrogen phosphate	2,5 gr
Glucose	2,5 gr

***Formula adjusted, standardized to suit performance parameters

pH: 7,3 ± 0,2

PRECAUTIONS:

For professional use only. Do not use tubes if they show evidence of microbial contamination, discoloration or other signs of deterioration.

TEST PROCEDURE:

Incubation at a temperature of 35±2°C and observed after 24-48 hours, 25±2 °C 6 days.

QUALITY CONTROL:**1.Sterility Control:**

Incubation 48 hours at 30-35°C and 72 hours at 20-25°C: NO GROWTH

2.Physical/Chemical Control

pH: 7,3 ± 0,2

Apperance: Yellow

3.Microbiological Control: Incubation at a temperature of 35±2°C and observed after 24-72 hours.

Microorganism	Inoculum (CFU)	Results	
		Growth	Reaction
Bacillus subtilis ATCC 6633	10-100	Good	Good
Staphylococcus aureus ATCC 6538	10-100	Good	Good
Candida albicans ATCC 10231	10-100	Good	Good
Pseudomonas aeruginosa ATCC 9027	10-100	Good	Good
Aspergillus brasiliensis ATCC 16404	10-100	Good	Good

STORAGE CONDITIONS AND SHELF LIFE:

Store the prepared medium at 2- 12°C. Use before expiry date on the label.Do not use beyond stated expiry date.

DISPOSAL:

Incubated medium may contain active bacteria and micro-organisms. Do not open infected medium. Infected tube should be autoclaved, incinerated or opened and soaked in a chlorine-based disinfectant (liquid bleach) for 20 minutes prior to disposal.

PACKAGING:

Katalog Number: 01018

Content/Packaging: 50 Tubes/Box

REFERENCES:

1. Marshall, R.T. (ed.). 1993. Standard methods for the examination of dairy products, 16th ed. American Public Health Association, Washington, D.C.
2. MacFaddin, J.F. 1985. Media for the isolation - cultivation - maintenance of medical bacteria. Volume 1. Williams and Wilkins, Baltimore, London
3. U.S. Pharmacopeial Convention, Inc. 1999. The U.S. Pharmacopeia 24/The national formulary NF 19--2000. U.S. Pharmacopeial Convention, Inc., Rockville, Md
4. Council of Europe, 2002. European Pharmacopoeia, 4th edition. European Pharmacopoeia Secretariat. Strasbourg/France.



Aseptic Sterile



Batch Code



Catalogue Number



Negative Controls



Positive Controls



Use by



Temperature
Limitation



Do not reuse



Contains sufficient
for <n> tests



Look at user manual



Manufacturer