

TRYPTIC SOY BROTH - BAG

Ready to use liquid medium in PVC bag of 3 liters for microbial growth

TYPICAL FORMULA	(g/l)
Tryptone	17.0
Soytone	3.0
Sodium Chloride	5.0
Glucose	2.5
Potassium Phosphate Dibasic	2.5
Final pH	7.3 ± 0.2

DESCRIPTION

TRYPTIC SOY BROTH - BAG is ready to use liquid medium in bag that supports the growth of a wide variety of microorganisms, especially common aerobic and facultatively anaerobic bacteria and fungi, formulated in accordance with ISO 10560:1993. The addition of agar in a concentration 0.1-0.2% makes the medium suitable for the growth of obligate anaerobes. The medium is recommended by the United States Pharmacopeia (USP) and the European Pharmacopeia (EP) for counting total anaerobic microorganisms in pharmaceutical products and to test the absence of fungal contamination in pharmaceutical products at 20-25°C.

PRINCIPLE

Tryptone and soytone are sources of peptides and free amino acids. Glucose is a energy source easy to use by microorganisms. Sodium chloride maintains the osmotic balance of the medium. Dibasic potassium phosphate acts as buffer to pH control.

PREPARATION

Verify that the contents of the bag is homogeneous and clear. TRYPTIC SOY BROTH - BAG can be used as such or divided, under aseptic conditions, in lower aliquots.

TECHNIQUE

1. Aseptically dispense the required amount of the medium in the containers of choice.
2. Bring the medium to room temperature or, preferably at 36±1°C.
3. Open the container just before inoculation. Containers open, closed and not used within a few hours should be discarded.
4. Inoculate introducing the sample into the container.
5. Close immediately the container.
6. Incubate at 36±1°C for 18-24 hours.

INTERPRETATION OF RESULTS

Turbidity indicates microbial growth in the medium.

STORAGE

10-25°C away from light, until the expiry date on the label or until signs of deterioration or contamination are evident.

WARNING AND PRECAUTIONS

The product does not contain hazardous substances in concentrations exceeding the limits set by current legislation and therefore is not classified as dangerous. It is nevertheless recommended to consult the safety data sheet for its correct use. The product is designed for *In vitro* diagnostic use and must be used only by properly trained operators.

DISPOSAL OF WASTE

Disposal of waste must be carried out according to the national and local regulations in force.

REFERENCES

1. U.S. Pharmacopeial Convention, Inc. (1999) The U.S. Pharmacopeia 24/The national formulary NF 19—2000. U.S. Pharmacopeial Convention, Inc., Rockville, MD.
2. Council of Europe (2002) European Pharmacopeia, 4th edition. European Pharmacopoeia Secretariat. Strasbourg/France.
3. Association of Official Analytical Chemists. (1995). Bacteriological analytical manual 8th ed. AOAC International, Gaithersburg, MD.
4. MacFaddin, J.D. (1985) Media for isolation-cultivation-identification-maintenance of medical bacteria, p. 797, vol. 1. Williams & Wilkins, Baltimore, MD.
5. ISO 10560: 1993. Milk and milk products – Detection of *Listeria monocytogenes*.



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PRODUCT SPECIFICATIONS

NAME

TRYPTIC SOY BROTH - BAG

PRESENTATION

Bags containing 3 liters of medium

STORAGE

10-25°C

PACKAGING

Ref.	Content	Packaging
499060	3 bags x 3 liters	3 bags in cardboard box

pH OF THE MEDIUM

7.3 ± 0.2

USE

TRYPTIC SOY BROTH - BAG is ready to use liquid medium in bag that supports the growth of a wide variety of microorganisms, especially common aerobic and facultatively anaerobic bacteria and fungi, formulated in accordance with ISO 10560:1993

TECHNIQUE

Refer to technical sheet of the product

APPEARANCE OF THE MEDIUM

Light amber medium, clear without precipitates

SHELF LIFE











2 years

QUALITY CONTROL

- Control of general characteristics, label and print
- Microbiological control
Inoculum for productivity: 10-100 CFU/ml
Incubation Conditions: 18-24 h at 35 ± 2°C, in aerobiosis

Microorganism		Growth
<i>Staphylococcus aureus</i>	ATCC 25923	Good
<i>Bacillus subtilis</i>	ATCC 6633	Good
<i>Pseudomonas aeruginosa</i>	ATCC 27853	Good
<i>Aspergillus niger</i>	ATCC 16404	Good
<i>Candida albicans</i>	ATCC 10231	Good

TABLE OF SYMBOLS

 LOT	Batch code	 IVD	<i>In vitro</i> Diagnostic Medical Device		Manufacturer		Use by		Fragile, handle with care
 REF	Catalogue number		Temperature limitation		Contains sufficient for <n> tests		Caution, see instructions for use		Do not reuse



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