

Reference: 5119

CE IVD

Technical Data Sheet

Product: TRYPTICASEIN SOY BROTH (TSB) EP/USP/ISO

Specification

Highly nutrient liquid medium for general purpose use, formulated according to Pharmacopeial Harmonised Method.

Presentation

10 Prepared bottle Bottle 125 ml with: 100 ± 3 ml

Packaging Details

1 box with 10 bottles 125 ml. Injectable cap: Plastic screw inner cap + protective outter blue cap. The use of syringes needles with a diameter greater than 0.8 mm is not recommended.

Shelf Life Storage

> 15 months 2-25 ºC

Composition

17.0
3.00
5.00
2.50
2.50

Description / Technique

Description

The Tryptic Soy Broth was initially developed for the cultivation of very fastidious microorganisms without the addition of serum, blood or any other enrichment agent.

As a general purpose culture medium it supports the growth of most organisms, both aerob and facultative anaerobes, even if their requirements are high.

TSB is used as a primary enrichment medium for food examination. In the dairy industry it is employed for testing resazurine reduction.

The medium is not suitable for maintenance purposes since carbohydrate fermentation liberates many acids which may threaten the organism's viability.

In the pharmaceuthical industry it is used for sterility tests and it is applied to substancesm preparations or articles, which, according to the Pharmacopoeia, are requiered to be sterile. This culture medium is used also for pre-enrichment control strains involved in the "Grothw promotion" of culture media

Tecnnique

Sterility Test:

Use according expected results, according type of samples and validated methods.

Be specially aware of the guidelines described in the pharmacopeia for using the test for sterility.

Read the turbidity as growth indicator.

Each laboratory must evaluate the results according to their specifications.

Quality control

Physical/Chemical control

Color: yellow pH: 7.3 ± 0.2 at 25°C

Microbiological control

Prepare tubes - Inoculate: Practical range 10-100 CFU (productivity) according to harmonized Eur. Pharmacopoeia

Aerobic.Incubation at 30-35 °C for 18-72h (bacteria) and 20-25 °C for 3-5 days (moulds and yeast).

Microorganism	Growth
Bacillus subtilis ATCC® 6633, WDCM 00003	Good
Ps. aeruginosa ATCC® 9027, WDCM 00026	Good
Staphylococcus aureus ATCC® 6538, WDCM 00032	Good
Escherichia coli ATCC® 8739, WDCM 00012	Good
Salmonella typhimurium ATCC® 14028, WDCM 00031	Good
Candida albicans ATCC® 10231, WDCM 00054	Good
Aspergillus brasiliensis ATCC® 16404	Good
Starility Cantral	

Sterility Control

Incubation 14 days at 32.5 ± 2 °C: NO GROWTH. Incubation 14 days at 22.5 ± 2 °C: NO GROWTH.

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