

Specification

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

Presentation

	Packaging Details	Shelf Life	Storage
20 Tubes Tube 16 x 113 mm with: 10 ± 0.2 ml	1 box with 20 tubes, 16x113 mm glass tubes, ink labelled and metal-Non injectable cap..	12 months	2-25 °C

Composition

Composition (g/l):	
Peptone from casein	17.0
Soya peptone.....	3.00
Sodium chloride.....	5.00
Dipotassium phosphate.....	2.50
D(+) Glucose.....	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 pharmaceutical industry it is used for sterility tests and it is applied to substancesm preparations or articles, which, according to the Pharmacopoeia, are required to be sterile. This culture medium is used also for pre-enrichment control strains involved in the "Grothw promotion" of culture media

Technique

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

Inoculate 10 - 100 CFU per unit 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

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

Growth

Good
 Good
 Good
 Good
 Good
 Good
 Good

Sterility Control

Incubation 48 hours at 30-35 °C and 48 hours at 20-25 °C: NO GROWTH.
 Check at 7 days after incubation in same conditions.

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