PRODUCT INFORMATION

Product Type: 9ml 140*13 Tubes

Cat No. TT139 - TRYPTIC SOY BROTH

Intended Use:

Tryptic (Trypticase) Soy Broth (Soybean-Casein Digest Medium) is a general-purpose medium used in qualitative procedures for the cultivation of fastidious and non-fastidious microorganisms from a variety of clinical and nonclinical specimens.

Principles and uses:

Tryptic (Trypticase) Soy Broth (TSB) is a nutritious medium that will support the growth of a wide variety of microorganisms, including common aerobic, facultative and anaerobic bacteria and fungi. This formulation is included in the USP as a medium for use in performing microbial enumeration tests and tests for specified microorganisms when testing nonsterile pharmaceutical products. Growth in broth media is indicated by the presence of turbidity compared to an uninoculated control. Broth cultures should be held for at least a week before discarding as negative.

Procedure:

Swab specimens may be inserted into the medium after inoculation of appropriate plated media. For liquid specimens, use a sterile inoculating loop to transfer a loopful of the specimen to the broth medium. Specimens known or suspected to contain obligate anaerobes should be inoculated near the bottom of the tube.

Formula

Pancreatic Digest of Casein	17.0 g/L
Papaic Digest of Soybean	3.0 g/L
Sodium Chloride	5.0 g/L
Dipotassium Phosphate	2.5 g/L
Dextrose	2.5 g/L

Storage: 15°-25°C
Package contents: 20 Tubes
Shelf life: 3.5 months
Appearance: Light amber, clear to trace hazy.
pH Range: 7.1 - 7.5
Exp. Date: Printed on label and on the item.
Required materials not supplied: Laboratory equipment as required.

Warning and Precautions:

Warning and Precautions - For professional use only. Follow good microbiological lab practices while handling specimens and culture. Do not use Tubes if they show evidence of microbial contamination, discoloration, drying, cracking, or other signs of deterioration. Avoid freezing and overheating. The Tubes may be used / inoculated up to the expiration date and incubated for the recommended incubation times. After use and prior to discarding, specimen containers and all contaminated material, including the used culture media and contaminated culture containers, must be sterilized or incinerated by validated procedures. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.

Waste Disposal

After interpretation all items should be destroyed by standard incineration methods.

Performance Testing Results:

GPT:10-100 cfu.

TEST	ATCC	Incubation Temp. (℃)	Incubation Cond	Reaction 1
Bacillus subtilis	6633	20-25 ℃	Aerobic, up to 3 days	Growth
Pseudomonas paraeruginosa	9027	30-35 ℃	Aerobic, up to 3 days	Growth
Staphylococcus aureus	6538	30-35 ℃	Aerobic, up to 3 days	Growth
Bacillus subtilis	6633	30-35 ℃	Aerobic, up to 3 days	Growth
Candida albicans	10231	20-25 ℃	Aerobic, up to 5 days	Growth
Aspergillus brasiliensis	16404	20-25 ℃	Aerobic, up to 5 days	Growth
Escherichia coli	8739	33-37 ℃	Aerobic, for 24 hours	Growth
Streptococcus pneumoniae	49619	33-37 ℃	Aerobic, for 24 hours	Growth

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