

Tryptone Soya Broth (TSB)

Product No. CP301A

Intended Use

Used for detection of aerobic bacterial count in drugs.(CP)

Specification 250 g

Ingredients	(g/L)
Pancreatic Digest of Casein	17.0
Papaic digest of soybean	3.0
Sodium chloride	5.0
Dipotassium hydrogen phosphate	2.5
Glucose monohydrate	2.5

(pH 7.3 ± 0.2)

Additional Reagents

No

Principle and Interpretation

Pancreatic Digest of Casein and Papaic digest of soybean provide amino acids and other complex nitrogenous substances. Glucose monohydrate is an energy source. Sodium chloride maintains the osmotic equilibrium. Dipotassium hydrogen phosphate acts as a buffer to control pH.

Directions

Suspend 30.0 g of the powder in 1 L of distilled water. Heat with frequent agitation and boil to dissolve completely. Autoclave at 121°C for 15 minutes.

Precautions

No

Quality Control

Microorganisms	Inoculum (CFU)	Reference Medium	Method	Incubation	Growth
<i>Staphylococcus aureus</i> CMCC(B) 26003	≤100	TSA	Growth Promotion	20°C-25°C ≤3days	visible growth
<i>Pseudomonas aeruginosa</i> CMCC(B) 10104					
<i>Bacillus</i> CMCC(B) 63501					
<i>Escherichia coli</i> CMCC(B) 44102					
<i>Salmonella paratyphi B</i> CMCC(B) 50094				20°C-25°C ≤5days	
<i>Candida albicans</i> CMCC(F) 98001					
<i>Aspergillus brasiliensis</i> CMCC(F) 98003					
Negative controls	--	--	--		Negative

Storage Conditions

Keep container tightly closed and store in a dry place at 2-25°C.

Shelf Life

3 years.

Related Products

Product No.	Product Name	Specification
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For laboratory use in industry or R&D purpose. Not for drug, household or other uses.