

## Trypticase Soy Broth (TSB)

**Product No.** CM301

### Intended Use

Used for the qualitative procedures for the cultivation of fastidious and nonfastidious microorganisms from a variety of clinical and nonclinical specimens.

**Specification** 250 g

<b>Ingredients</b>	<b>(g/L)</b>
Pancreatic Digest of Casein	17.0
Papaic Digest of Soybean	3.0
Sodium Chloride	5.0
Dipotassium Phosphate	2.5
Glucose	2.5
(pH 7.3 ± 0.2)	

### Additional Reagents

No

### Principle and Interpretation

Pancreatic digest of casein and papaic digest of soybean are used as nutrients in the culture medium to provide nitrogen sources and growth factors required for the growth of bacterial cells; sodium chloride maintains the osmotic equilibrium; Dipotassium Phosphate acts as a buffer to control pH; Glucose provides the carbon source required for the growth of bacterial cells; Agar is a coagulant.

### Directions

Suspend 40.0 g of the powder in 1 L of distilled water. Heat with frequent agitation and boil to dissolve completely. Autoclave at 121°C for 10 minutes.

### Precautions

No

### Quality Control

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Microorganisms	Inoculum (CFU)	Inoculate counting medium	Method	Incubation	Growth (Turbidity)
<i>Escherichia coli</i> ATCC 25922	10-100	TSA	Semi-quantitative	36°C±1°C 18h-24h	2
<i>Escherichia coli</i> CICC 25012 [CMCC(B) 43201]					
<i>Staphylococcus aureus</i> ATCC 6538					
<i>Staphylococcus aureus</i> CICC 25018 [CMCC(B) 26305]					
<i>Bacillus subtilis</i> ATCC 6633					
<i>Bacillus subtilis</i> CICC 25023 [CMCC(B) 63542]					

### Storage Conditions

Keep container tightly closed and store in a cool dry place.

### Shelf Life

3 years.

### Related Products

Product No.	Product Name	Specification
CM301-01	Trypticase Soy Broth (TSB)	1000 g
GCM301	Trypticase Soy Broth (Granule)	250 g

*For laboratory use in industry or R&D purpose. Not for drug, household or other uses.*