

## Dextrose Tryptone Agar (DTA)

**Product No.** CM1522

### Intended Use

Used for testing Thermophilic *bacilli*.(SN)

**Specification** 250 g

Ingredients	(g/L)
Tryptone	10.0
Glucose	5.0
Bromocresol violet	0.04
Agar	15.0
(pH7.3±0.2)	

### Additional Reagents

No

### Principle and Interpretation

Tryptone is used as a nutrient in the medium to provide nitrogen source, carbon source, vitamin and mineral for the growth of bacteria. Glucose is a carbohydrate that provides energy; Bromocresol violet is an acid-base indicator; Agar as a coagulant.

### Directions

Suspend 30.0g of the powder in 1 L of distilled water. Heat with frequent agitation and boil to dissolve completely. Autoclave at 121 °C for 20 minutes(SN) or 121 °C for 15 minutes(NY).

### Precautions

No

### Quality Control

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Microorganisms	Method	Incubation	Growth	
<i>Bacillus stearothermophilus</i> CMCC (B) 63509	qualitative	55.0°C±1°C 48h±2h	Well-growth	Colorless translucent colony with yellow halo around the medium
<i>Bacillus cereus</i> ATCC 11778			None to poor	—
<i>Escherichia coli</i> ATCC 25922				
<i>Salmonella typhimurium</i> ATCC 14028				
<i>Staphylococcus aureus</i> ATCC 6538				

### Storage Conditions

Store tightly closed in a cool, dry place.

### Shelf Life

3 years.

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