



Product Data Sheet

TRYPTONE AGAR

Product No. GB-DCM-00403-1A

INTENDED USE

General purpose medium for growth of non-fastidious microorganisms.

PRODUCT SUMMARY

Tryptone Agar is a general purpose nutritious medium for growth of non-fastidious microorganisms. Tryptone Agar was developed by Vera for the accurate differentiation and identification of aerobes and anaerobes by means of motility and fermentation reactions. It is recommended for Clostridia, Bacillus species, Micrococci, enteric bacilli and other nonfastidious organisms. This is also an excellent medium for the maintenance for both aerobic and anaerobic cultures. Viability in this medium is greater than in any other broth medium or slant culture.

Product Specifications

Ingredients	Gms / Ltr
Casein enzymic hydrolysate	10.000
Sodium chloride	8.000
Agar	15.000

PRINCIPLE

Casein enzymic hydrolysate provides essential growth nutrients to support the growth of organisms. Sodium chloride buffers the medium. Sodium chloride helps in maintaining the osmotic balance.

INSTRUCTION FOR USE

- Dissolve 33.0 grams in 1000 ml distilled water.
- Heat to boiling to dissolve the medium completely.
- Sterilize by autoclaving at 15 psi pressure (121°C) for 15 minutes.
- Mix well and pour into sterile Petri plates.

QUALITY CONTROL SPECIFICATIONS

Appearance of Powder : Cream to yellow homogeneous free flowing powder

Appearance of prepared medium: Yellow coloured clear to slightly opalescent gel forms in Petri plates.



Microorganism	ATCC	Inoculum (CFU/ml)	Growth	Recovery	Incubation Temperature	Incubation Period
Enterobacter aerogenes	13048	50-100	luxuriant	>=70%	35-37°C	24-48 Hours
Escherichia coli	25922	50-100	luxuriant	>=70%	35-37°C	24-48 Hours
Pseudomonas aeruginosa	27853	50-100	luxuriant	>=70%	35-37°C	24-48 Hours
Salmonella Enteritidis	13076	50-100	luxuriant	>=70%	35-37°C	24-48 Hours
Staphylococcus aureus	25923	50-100	luxuriant	>=70%	35-37°C	24-48 Hours

STORAGE

Dehydrated powder, hygroscopic in nature, store in a dry place, in tightly-sealed containers between 25-30°C and protect from direct sunlight. Under optimal conditions, the medium has a shelf life of 4 years. When the container is opened for the first time, note the time and date on the label space provided on the container. After the desired amount of medium has been taken out replace the cap tightly to protect from hydration

Product Deterioration: Do not use if they show evidence of microbial contamination, discoloration, drying or any other signs of deterioration.

DISPOSAL

After use, prepared plates, specimen/sample containers and other contaminated materials must be sterilized before discarding.

This product is for research use only.