

TM 889 – TRYPTONE AGAR

INTENDED USE

General purpose medium for growth of non-fastidious microorganisms.

PRODUCT SUMMARY AND EXPLANATION

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 non-fastidious 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.

COMPOSITION

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.

INTERPRETATION

Cultural characteristics observed after incubation.

Microorganism	ATCC	Inoculum (CFU/ml)	Growth	Recovery	Incubation Temperature	Incubation Period
<i>Enterobacter aerogenes</i>	13048	50-100	Luxuriant	≥70%	35-37°C	24-48 Hours
<i>Escherichia coli</i>	25922	50-100	Luxuriant	≥70%	35-37°C	24-48 Hours



<i>Pseudomonas aeruginosa</i>	27853	50-100	Luxuriant	>=70%	35-37°C	24-48 Hours
<i>Salmonella Enteritidis</i>	13076	50-100	Luxuriant	>=70%	35-37°C	24-48 Hours
<i>Staphylococcus aureus</i>	25923	50-100	Luxuriant	>=70%	35-37°C	24-48 Hours

PACKAGING:

In pack size of 100 gm and 500 gm bottles.

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.

REFERENCES

1. Vera, 1944, J. Bacteriol., 47:455.
2. MacFaddin J. F., 1985, Media for Isolation-Cultivation-Identification-Maintenance of Medical Bacteria, Vol. I, Williams and Wilkins, Baltimore.

 Good Manufacturing Practices Certified	 For In Vitro Diagnostic Use	 Quantity	 Lot / Batch Number	 Catalogue Number	 Manufacturer
 Temperature Unit	 Authorized Representative <small>MedNet GmbH Birkstrasse 10 48163 Münster, Germany</small>	 European Conformity	 QR Code	 Consults Instructions for Use	 Best Before

NOTE: Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.

***For Lab Use Only**
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