

TM 126 – TRYPTONE YEAST EXTRACT BROTH (ISP MEDIUM NO.1)

INTENDED USE

A general purpose enrichment medium for fastidious and non-fastidious microorganisms.

PRODUCT SUMMARY AND EXPLANATION

Tryptone Yeast Extract Broth is formulated as per International Streptomyces Project.

COMPOSITION

Ingredients	Gms / Ltr
Tryptone	5.000
Yeast extract	3.000

PRINCIPLE

Tryptone and yeast extract provide nitrogenous compounds, carbon, sulphur, vitamin B complex and trace elements, necessary for bacterial metabolism. With added carbohydrate and a pH indicator, it can also be used for fermentation studies.

INSTRUCTION FOR USE

- Suspend 8.0 grams in 1000 ml purified / distilled water.
- Heat if necessary to dissolve the medium completely.
- Dispense into tubes or flasks or as desired and sterilize by autoclaving at 15 psi pressure (121°C) for 15 minutes.

QUALITY CONTROL SPECIFICATIONS

- Appearance of Powder** : Cream to yellow homogeneous free flowing powder.
Appearance of prepared medium : Light amber coloured clear solution without any precipitate.
pH (at 25°C) : 7.0±0.2

INTERPRETATION

Cultural characteristics observed after incubation at different temperatures.

Microorganism	ATCC	Inoculum (CFU/ml)	Growth	Incubation Temperature	Incubation Period
<i>Escherichia coli</i>	25922	50-100	Luxuriant	28-32°C	4 Days
<i>Staphylococcus aureus subsp. aureus</i>	25923	50-100	Luxuriant	28-32°C	4 Days
<i>Streptomyces lavendulae</i>	8664	50-100	Luxuriant	28-32°C	4 Days



<i>Streptomyces albus</i> <i>subsp albus</i>	3004	50-100	Luxuriant	28-32°C	4 Days
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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. Isenberg, H.D. Clinical Microbiology Procedures Handbook 2nd Edition.
2. Sherling E.B. and Gotlieb.,1966, International J.Systemic Bacteriol., 16:3.

 GMP Good Manufacturing Practices Certified	 IVD For In Vitro Diagnostic Use	 QTY. Quantity	 LOT/ B. NO. Lot / Batch Number	 REF Catalogue Number	 Manufacturer
 Temperature Unit	 EC REP Authorized Representative <small>MedNet GmbH Borkstrasse 10, 48163 Moenster, 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**
Revision: 08 Nov., 2019