



Product Data Sheet

TRYPTONE YEAST EXTRACT BROTH (ISP MEDIUM NO.1)

Product No. GB-DCM-00266-1A

INTENDED USE

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

Product Description

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

COMPOSITION

Ingredients	Gms / Ltr
Tryptone	5.000
Yeast extract	3.000

PRINCIPLE

The combination of casein enzymic hydrolysate and papaic digest of soyabean meal makes the agar nutritious by providing amino acids and long chain peptides for the growth of microorganisms. Sodium chloride maintains the osmotic balance in the media.

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

Microorganism	ATCC	Inoculum (CFU)	Growth	Incubation Temperature	Incubation Period
Escherichia coli	25922	50-100	luxuriant	28-32°C	4 Days
Staphylococcus aureus subsp. aureus	25923	50-100	luxuriant	28-32°C	4 Days
Streptomyces lavendulae	8664	50-100	luxuriant	28-32°C	4 Days
Streptomyces albus subsp albus	3004	50-100	luxuriant	28-32°C	4 Days

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.