



Dehydrated Culture Media  
Bases / Media Supplements

## Technical Information

### Tryptose, Certified

**Product Code: BC2030**

#### Principle & Interpretation

Tryptose is a mixed enzymatically digested protein with unique nutritional properties. It can be successfully employed in place of meat infusion to meet the nutritional requirements of fastidious microorganisms. It can also be used in vaccine production media and tissue culture media.

#### Warning and Precautions

Read the label before opening the container. Wear protective gloves/protective clothing/eye protection/ face protection. Follow good microbiological lab practices while handling specimens and culture. Safety guidelines may be referred in individual safety data sheets.

#### Limitations

1. It is biological origin product since variation in colour of powder and clarity may observed.
2. Each lot of the product has been tested for the organisms specified on the COA. It is recommended to users to validate the medium for any specific microorganism other than mentioned in the COA based on the user's requirement.
3. Individual organisms differ in their growth requirement and may show variable growth patterns on the medium prepared by the product.

#### Performance and Evaluation

Performance of the medium is expected when used as per the direction on the label within the expiry period when stored at recommended temperature

## Quality Control

#### Appearance

Light yellow to brownish yellow homogenous free flowing powder, having characteristic odour but not putrescent.

#### Solubility

Freely soluble in distilled/purified water, insoluble in alcohol.

#### Clarity

1% w/v aqueous solution is clear without any haziness after autoclaving at 15 lbs pressure (121°C) for 15 minutes.

#### Reaction

Reaction of 2% w/v aqueous solution at 25°C.

#### pH

6.20- 7.20

#### Microbial Load:

##### Total aerobic microbial count (cfu/gm)

By plate method when incubated at 30-35°C for not less than 3 days.

Bacterial Count : ≤ 2000 CFU/gram

##### Total Yeast and mould count (cfu/gm)

By plate method when incubated at 20-25°C for not less than 5 days.

Yeast & mould Count : ≤ 100 CFU/gram

#### Test for Pathogens

1. E.coli-Negative in 10 gms of sample
2. Salmonella species-Negative in 10 gms of sample
3. Pseudomonas aeruginosa- Negative in 10 gms of sample
4. Staphylococcus aureus- Negative in 10 gms of sample



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5. *C. albicans*- Negative in 10 gms of sample

6. *Clostridia*- Negative in 10 gms of sample

#### Indole Test

Tryptophan content: Passes

#### Cultural response

Cultural response observed after an incubation at 35-37°C for 18-24 hours by preparing Lauryl Tryptose Broth (DM1080) using Tryptose as an ingredient.

#### Cultural response

Organism	Growth	Gas Production
<i>Escherichia coli</i> ATCC 25922	Luxuriant	Positive reaction
<i>Enterobacter aerogenes</i> ATCC 13048	Luxuriant	Positive reaction
<i>Enterococcus faecalis</i> ATCC 29212	Inhibited	-
<i>Salmonella Typhimurium</i> ATCC 14028	Luxuriant	Negative reaction
<i>Staphylococcus aureus</i> ATCC 25923	Inhibited	-

#### Chemical Analysis

Total Nitrogen	$\geq 12.0\%$
Amino Nitrogen	$\geq 3.0\%$
Sodium chloride	$\leq 6.0\%$
Loss on drying	$\leq 6.0\%$
Residue on ignition	$\leq 17\%$

## Storage and Shelf Life

Store below 30°C. Use before expiry date on the label.

## Disposal

User must ensure safe disposal by autoclaving and/or incineration of used or unusable preparations of this product. Follow established laboratory procedures in disposing of infectious materials and material that comes into contact with clinical sample must be decontaminated and disposed of in accordance with current laboratory techniques.

## Disclaimer :

- User must ensure suitability of the product(s) in their application prior to use.
- The product conforms solely to the technical information provided in this booklet and to the best of knowledge research and development work carried at **CDH** is true and accurate.
- **Central Drug House Pvt. Ltd.** reserves the right to make changes to specifications and information related to the products at any time.
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- Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents.
- Do not use the products if it fails to meet specifications for identity and performance parameters.