



Product Data Sheet

TRYPTOSE AGAR

Product No. GB-DCM-00289-1A

INTENDED USE

For isolation, cultivation and differentiation of Brucella and also for Streptococci, Meningococci and other pathogenic bacteria.

PRODUCT SUMMARY

Huddleson used Tryptose media for the isolation of Brucella species from man. Tryptose containing media, rather than the conventionally used meat infusion media have been used for the enumeration and isolation of Brucella species. Tryptose Agar is also recommended by APHA and FDA. This medium can be used as general purpose media for cultivation of wide variety of organisms. It can also be supplemented with defibrinated blood (sheep, horse) to prepare blood agar for the isolation of fastidious organisms like Brucella.

Product Specifications

| Ingredients | Gms / Ltr |
|--------------------|------------------|
| Tryptose | 20.000 |
| Sodium chloride | 5.000 |
| Agar | 15.000 |
| Dextrose | 1.000 |

PRINCIPLE

Dextrose is the source of energy. Tryptose serves as nitrogen source while sodium chloride maintains osmotic equilibrium. Blood Agar may be prepared by adding 5%v/v sterile defibrinated blood to molten sterile Tryptose Agar at 50°C

INSTRUCTION FOR USE

- Dissolve 41 grams in 1000 ml distilled water.
- Heat to boiling to dissolve the media completely.
- Sterilize by autoclaving at 15 psi pressure (121°C) for 15 minutes.
- For blood media, aseptically add 5% v/v sterile defibrinated blood.
- Mix well and dispense as desired.



QUALITY CONTROL SPECIFICATIONS

Appearance of Powder : Cream to yellow homogeneous free flowing powder

Appearance of prepared medium: Basal Medium: Yellow coloured, clear to slightly opalescent gel. With addition of 5% v/v sterile defibrinated blood, cherry red coloured opaque gel forms in Petri plates.

pH (at 25°C) : 7.2 ± 0.2

| Microorganism | ATCC | Inoculum (CFU/ml) | Growth | Recovery | Incubation Temperature | Incubation Period |
|--------------------------|-------|-------------------|----------------|----------|------------------------|-------------------|
| Brucella melitensis | 4309 | 50-100 | Good-luxuriant | >=50% | 35-37°C | 48-72 Hours |
| Brucella suis | 4314 | 50-100 | Good-luxuriant | >=50% | 35-37°C | 48-72 Hours |
| Streptococcus pneumoniae | 6303 | 50-100 | Good-luxuriant | >=50% | 35-37°C | 48-72 Hours |
| Streptococcus pyogenes | 19615 | 50-100 | Good-luxuriant | >=50% | 35-37°C | 48-72 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.