

Trypto Soy Broth

Cat. No. T20-110

DESCRIPTION

Trypto Soy Broth, commonly referred to as Soybean-Casein Digest Medium or Tryptic Soy Broth, is used for the cultivation of a wide variety of microorganisms. The inclusion of Casein Peptone and Soy Peptone to the formula enhances the growth of many fastidious microorganisms without the addition of blood or serum. It can support the growth of a wide variety of microorganisms including aerobes, anaerobes and fungi.

Formula* per Liter:

Casein Digest Peptone.....	17.0g
Papaic Digest of Soybean Meal	3.0g
Dipotassium Phosphate	2.5g
Sodium Chloride	5.0g
Dextrose	2.5g

Final pH: 7.3 ± 0.2 at 25°C

* Grams per liter may be adjusted or formula supplemented to obtain desired performance.

PREPARATION

Mix 30.0 grams of the medium in one liter of purified water until evenly dispersed. Heat with repeated stirring and boil for one minute to dissolve completely. Distribute and autoclave at 121°C for 15 minutes.

QUALITY CONTROL SPECIFICATIONS

1. The powder is homogeneous, free flowing, and light beige.
2. Visually the prepared medium is clear with little or no precipitate and yellow to amber in color.
3. Expected cultural response after 1-5 days at 35°C (*20-25°C, **Anaerobic incubation, *** CO₂ incubation).

Organism:

Bacillus subtilis ATCC® 6633*
Apergillus niger ATCC® 1604*
Bacteroides vulgatus ATCC® 8482**
Candida albicans ATCC® 10231*
Clostridium sporogenes ATCC® 11437**
Escherichia coli ATCC® 25922
Micrococcus luteus ATCC® 9341
Neisseria meningitidis ATCC® 13090***
Staphylococcus aureus ATCC® 25923
Staphylococcus epidermidis ATCC®12228
Streptococcus pneumoniae ATCC® 6305
Streptococcus pyogenes ATCC® 19615

Result:

Growth
 Growth
 Growth
 Growth
 Growth
 Growth
 Growth
 Growth
 Growth
 Growth

STORAGE

Store the sealed bottle containing the dehydrated medium at 2 to 30°C. Once opened and recapped, place the container in a low humidity environment at the same storage temperature. Protect it from moisture and light. The dehydrated medium should be discarded if it is not free flowing, or if the color has changed from the original light beige color.