

## PRODUCT INFORMATION

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. Sodium chloride supplies essential electrolytes for transport and osmotic balance, and dipotassium hydrogen phosphate is a buffering agent.

### FORMULA (g/L)

Enzymatic digest of casein	17.0 g	Dipotassium Phosphate	2.5 g
Soy Peptone	3.0 g	Dextrose	2.5 g
Sodium Chloride	5.0 g		

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 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 homogenous, free flowing and light beige.
2. Visually the prepared medium is brilliant to clear, yellow to amber with none to light precipitate.
3. Expected cultural response after 1-5 days at 35 °C and 20-25 °C (\*).

ORGANISM	RESULT
<i>Aspergillus brasiliensis</i> ATCC 16404*	Good Growth
<i>Bacillus subtilis</i> ATCC 6633*	Good Growth
<i>Candida albicans</i> ATCC 10231*	Good Growth
<i>Escherichia coli</i> ATCC 8739	Good Growth
<i>Pseudomonas aeruginosa</i> ATCC 9027	Good Growth
<i>Salmonella typhimurium</i> ATCC 14028	Good Growth
<i>Staphylococcus aureus</i> ATCC 6538	Good 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 color.