PRODUCT INFORMATION

Trypto Soy Agar

Cat. No. T20-108

DESCRIPTION

Trypto Soy Agar, otherwise known as Tryptic Soy agar or Trypticase Soy Agar, is a general growth medium prepare with or without enrichments. It is used for the isolation of different strains of fastidious microorganisms. TSA with 5% sheep blood is useful for the isolation and determination of hemolytic reactions of *Staphylococcus spp.*, *Streptococcus spp*.

FORMULA (g/L)

Enzymatic Digest of Casein	15.0 g	Sodium Chloride	5.0 g
Soy Peptone	5.0 g	Agar	15.0 g

Final pH: 7.3 ± 0.2 at 25 ºC

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

PREPARATION

Mix 40 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. To prepare with blood, cool medium to 45-50 °C and aseptically add 5-10% defibrinated sheep blood.

QUALITY CONTROL SPECIFICATIONS

1. The powder is homogenous, free flowing and light beige.
2. Visually the prepared medium without enrichment is clear to slightly hazy and yellow beige to light amber.
3. Expected cultural response after 18-24 hours at 35 ºC.

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ORGANISM	RESULT	HEMOLYSIS
Aspergillus brasiliensis ATCC 16404	Good Growth	
Bacillus subtilis ATCC 6633	Good Growth	
Candida albicans ATCC 10231	Good Growth	
Escherichia coli ATCC 8739	Good Growth	
Pseudomona aeruginosa ATCC 9027	Good Growth	
Staphylococcus aureus ATCC 6538	Good Growth	
Staphylococcus aureus ATCC 25923	Good Growth	Beta Hemolysis
Streptococcus pneumoniae ATCC 6305	Good Growth	Alpha Hemolysis
Streptococcus pyogenes ATCC 19615	Good Growth	Beta Hemolysis

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.

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