



Actero™ Tryptic Soy Agar Product Information

Catalogue No.	Description
FCM- 154	Actero™ Tryptic Soy Agar (500 G)
FCM- 153	Actero™ Tryptic Soy Agar (2 KG)
FCM- 152	Actero™ Tryptic Soy Agar (10 KG)

INTENDED USE

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

Formula* per Liter:

Casein Digest Peptone.....15.0g
Papaic Digest of Soybean Meal 5.0g
Sodium Chloride5.0g
Agar.....15.0g

Final pH: 7.3 ± 0.2 at 25°C

* 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 homogeneous, 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 24-48 hours at 35°C.

Organism	Result	Hemolysis
<i>Escherichia coli</i> ATCC® 8739	Growth	N/A
<i>Staphylococcus aureus</i> ATCC® 6538	Growth	N/A
<i>Streptococcus pneumoniae</i> ATCC® 6305	Growth	Alpha Hemolysis
<i>Streptococcus pyogenes</i> ATCC® 19615	Growth	Beta Hemolysis

Storage Instructions:

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.

