

PRODUCT INFORMATION

Cystine Trypto Agar

Cat. No. C03-116

DESCRIPTION

Cystine Trypto Agar is a semi-solid medium used for the cultivation, maintenance, motility determination, and fermentation reactions of bacteria. It was formulated by Vera it has often been used for the cultivation of various fastidious microorganisms, such as *Neisseria*, *Streptococcus*, *Pastuerella*, *Brucella*, *Corynebacterium*, and *Vibrio*. Anaerobes are capable of growth in this media without the addition of anaerobic conditions. *Mycoplasma* could be cultivated with the addition of 5% yeast extract and rabbit serum.

FORMULA (g/L)

| | | | |
|-----------------------|---------|-----------------|-------|
| Casein Digest Peptone | 20.0 g | L-Cystine | 0.5 g |
| Sodium Sulfite | 0.5 g | Sodium Chloride | 5.0 g |
| Phenol Red | 0.017 g | Agar | 2.5 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 28.5 grams of the medium in one liter of purified water until evenly dispersed. Add the desired carbohydrate and heat with repeated stirring to dissolve completely. Distribute and autoclave at 115°C for 15 minutes. DO NOT OVERHEAT.

QUALITY CONTROL SPECIFICATIONS

1. The powder is homogenous, free flowing and light beige.
2. Visually the prepared medium is red and clear to trace hazy.
3. Expected cultural response after 18-24 hours at 35 °C.

| ORGANISM | RESULT |
|--|-------------|
| <i>Escherichia coli</i> ATCC 25922 | Good Growth |
| <i>Neisseria gonorrhoeae</i> ATCC 43069 | Good Growth |
| <i>Neisseria meningitides</i> ATCC 13090 | Good Growth |

Streptococcus pneumoniae ATCC 6305

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.