

TSB (Tryptic Soy Broth) Hemin Menadione



Medium used for the cultivation and enumeration of anaerobic bacteria.

• CONTENTS (Liter)

Pancreatic Digest of Casein	15.0 g
Papaic Digest of Soybean Meal	5.0 g
Sodium Chloride	5.0 g
Final pH = 7.3 ± 0.2 at 25°C	

• PROCEDURE

Suspend 25.0 G of powder in 950 mL of distilled or deionized water. Heat to boiling until completely dissolved. Sterilized by autoclave at 121°C for 15 minutes. Cool to 45 - 50°C in water bath. Aseptically add 5% of Sheep Blood Defibrinated (MB-S1876) and 2 vials of TSA Hemin Menadione A supplement (MB-T0707) and 2 vials of TSA Hemin Menadione B supplement (MB-T0708). Mix well. Pour into tubes.

TSA Hemin Menadione A supplement

1 vial contents (each vial is sufficient for 500 mL of medium)
Hemin 2.5 mg

TSA Hemin Menadione B supplement

1 vial contents (each vial is sufficient for 500 mL of medium)
Menadione 0.25 mg

• INTERPRETATION

TSB (Tryptic Soy Broth) Hemin Menadione is a medium used for the cultivation and enumeration of anaerobic bacteria. Pancreatic digest of casein and papaic digest of soybean meal provide nitrogen, carbon, vitamin and amino acids. Sodium chloride maintains the osmotic balance. Hemin and menadione enhance the growth of anaerobic bacteria.

• TECHNIC

Inoculate the specimen using a sterile needle to the medium. Incubate at 36 ± 1°C for 18 - 24 hours under anaerobic condition.

• QUALITY CONTROL FOR USE

Dehydrated medium

Appearance: free-flowing, homogeneous

Color: light beige

Prepared medium

Appearance: opaque

Color: light amber / cherry-red

Incubation conditions: 36 ± 1°C / 18 - 24 hours under anaerobic condition

Microorganism	ATCC	Inoculum CFU	Growth
<i>Clostridium perfringens</i>	13124	50-100	good
<i>Clostridium sporogenes</i>	11437	50-100	good

- **STORE**

The powder is very hygroscopic. Store the powder at room temperature, in a dry environment, in its original container tightly closed and use it before the expiry date on the label. Store prepared medium at 2 - 8°C.

- **PACKAGE**

Cat. No : MB-T0637 TSB (Tryptic Soy Broth) Hemin Menadione	500 G
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