

# Heart Infusion Broth



Medium used for the cultivation and enumeration of a wide variety of fastidious organisms.

## • CONTENTS (Liter)

Beef Heart, Infusion from 500g	10.0 g
Tryptose	10.0 g
Sodium Chloride	5.0 g
Final pH = 7.4 ± 0.2 at 25°C	

## • PROCEDURE

Suspend 25.0 G of powder in 1 L of distilled or deionized water. Heat to boiling until completely dissolved. Sterilize by autoclave at 121°C for 15 minutes. Cool to 45 - 50°C in water bath. Mix well. Pour into tubes.

## • INTERPRETATION

Heart Infusion Broth is a medium used for the cultivation and enumeration of a wide variety of fastidious organisms. Beef heart, infusion and tryptose provide nitrogen, vitamins, carbon and amino acids. Sodium chloride maintains the osmotic balance.

## • TECHNIC

Inoculate the specimen using a sterile needle to the medium. Incubate at 35 ± 2°C for 18 - 48 hours. Refer appropriate references for recommended test procedure.

## • QUALITY CONTROL FOR USE

### Dehydrated medium

Appearance: free-flowing, homogeneous

Color: beige

### Prepared medium

Appearance: clear

Color: light amber

Incubation conditions: 35 ± 2°C / 18 - 48 hours

Microorganism	ATCC	Inoculum CFU	Growth
<i>Escherichia coli</i>	25922	10 <sup>2</sup> -10 <sup>3</sup>	good
<i>Staphylococcus aureus</i>	25923	10 <sup>2</sup> -10 <sup>3</sup>	good
<i>Streptococcus pneumoniae</i>	6305	10 <sup>2</sup> -10 <sup>3</sup>	good
<i>Streptococcus pyogenes</i>	19615	10 <sup>2</sup> -10 <sup>3</sup>	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.

**• REFERENCES**

1. Harmon, S.M., D.A. Kautter, D.A. Golden, and E.J. Rhodehamel (1995). P. 9.01-9.24. App. 3.24-3.25. FDA Bacteriological Analytical Manual, 8th ed. AOAC International, Arlington, VA.

**• PACKAGE**

Cat. No : MB-H1021 Heart Infusion Broth	500 G
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