

Tryptose Broth

Medium used for the cultivation of *Enterococcus* and *Brucella*.

• CONTENTS (Liter)

Tryptose	20.0 g
Sodium Chloride	5.0 g
Glucose	1.0 g
Final pH = 7.0 ± 0.2 at 25°C.	

• PROCEDURE

Suspend 26.0 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. Dispense in tubes.

• INTERPRETATION

Tryptose Broth is a medium used for the cultivation of *Enterococcus* and *Brucella*. Tryptose is a source of nitrogen and carbon. Sodium chloride maintains osmotic balance. Glucose is a source of carbohydrate.

• TECHNIC

Inoculate the specimen with stab using a sterile needle to the medium. Shake gently for spreading microorganism. Incubate at 36 ± 1°C for 18 - 24 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: amber

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

Microorganism	ATCC	Inoculum CFU	Growth
<i>Enterococcus faecalis</i>	29212	50-100	good
<i>Streptococcus pyogenes</i>	19615	50-100	good
<i>Brucella abortus</i>	23448	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 or until signs of deterioration or contamination are evident. Store prepared medium at 2-8°C.

• REFERENCES

1. Huddleson (1943). Brucellosis in man and animals, rev. ed. The Commonwealth Fund. New York, N.Y.
2. Castenada (1947) Proc. Soc. Exp. Biol. Med. 64: 114.
3. McCullough, Mills, Herbst, Roessler and Brewer (1947). J. Bacteriol. 53: 5.

• PACKAGE

Cat. No : MB-T1233 Tryptose Broth	500 G
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