

Breeze Broth Modified



Medium used for the identification and determination of *Enterococcus faecalis*, *Lactobacillus acidophilus*, *Lactobacillus bifidus*.

• CONTENTS (Liter)

Glucose	20.0 g
Yeast Extract	6.0 g
Sodium Chloride	5.0 g
L-Cysteine	0.5 g
Liver Extract	5.0 g
Polypeptone	15.0 g
Starch	0.5 g
Polysorbate 80	1.0 g

Final pH = 6.5 ± 0.2 at 25°C

• PROCEDURE

Suspend 53.0 G of powder in 600 mL of distilled or deionized water. Heat to boiling until completely dissolved. Add 2 vials of Breeze Modified supplement (MB-B3039). Sterilize by autoclave at 120°C for 15 minutes. Cool to 45 - 50°C in water bath. Pour into tubes.

Breeze Modified supplement

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

Tomato Juice Solution 200.0 mL

• INTERPRETATION

Breeze Modified Broth is a medium used for the identification and determination of *Enterococcus faecalis*, *Lactobacillus acidophilus*, *Lactobacillus bifidus*. Glucose is the carbohydrate. Yeast extract provides vitamins. Sodium chloride maintains the osmotic balance. L-cysteine is a reducing agent. Liver extract, polypeptone, starch and polysorbate 80 provide nutrients for growth of microorganisms. Breeze Modified supplement maintains acidic environment in the medium.

• TECHNIC

Inoculate the specimen with stab using a sterile needle to the medium. Incubate at 37°C for 48 hours.

• QUALITY CONTROL FOR USE

Dehydrated medium

Appearance: free-flowing, homogeneous

Color: beige

Prepared medium

Appearance : clear to slightly opalescent

Color: dark amber

Incubation conditions: 37°C / 48 hours

Microorganism	ATCC	Inoculum CFU	Growth
<i>Enterococcus faecalis</i>	29212	50-100	good
<i>Lactobacillus acidophilus</i>	9224	50-100	good
<i>Lactobacillus bifidus</i>	11146	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 are evident. Store prepared medium at 2 - 8°C.

• PACKAGE

Cat. No : MB-B0850 Breeze Broth Modified	500 G
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