

# Salt Broth Modified



Medium used for the isolation and identification of Enterococcal group D Streptococci from non-enterococcal group D Streptococci based on salt tolerance.

## • CONTENTS (Liter)

Peptic Digest of Animal Tissue	10.0 g
Heart Infusion	10.0 g
Glucose	1.0 g
Sodium Chloride	65.0 g
Bromocresol Purple	0.016 g
Final pH = 7.2 ± 0.2 at 25°C	

## • PROCEDURE

Suspend 86.02 G of powder in 1 L 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. Mix well. Pour into tubes.

## • INTERPRETATION

Salt Broth Modified is a medium used for the isolation and identification of Enterococcal group D Streptococci from non-enterococcal group D Streptococci based on salt tolerance. Peptic digest of animal tissue and heart infusion provide essential sources of nitrogen and carbon for growth of microorganisms. Glucose is the carbohydrate. High concentration of sodium chloride serve as selective agent. Bromocresol purple is a pH indicator.

## • TECHNIC

Inoculate the specimen using a sterile needle to the medium. Incubate at 36 ± 1°C for 24 - 48 hours. Refer appropriate references for recommended test procedure.

## • QUALITY CONTROL FOR USE

### Dehydrated medium

Appearance: free-flowing, homogeneous

Color: light beige

### Prepared medium

Appearance: clear to slightly opalescent

Color: purple

Incubation conditions: 36 ± 1°C / 24 - 48 hours

Microorganism	ATCC	Inoculum CFU	Growth	Characteristics
<i>Enterococcus faecalis</i>	29212	50-100	good	yellow
<i>Streptococcus pyogenes</i>	19615	≥10 <sup>3</sup>	inhibited	-

## • 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. MacFaddin, J.F. 1985. Media for isolation-cultivation-identification-maintenance of medical bacteria, vol. 1. Williams & Wilkins, Baltimore.
2. Murray P. R., Baron J. H., Pfaller M. A., Jorgensen J. H. and Tenover F. C., (Ed.), 2003, Manual of Clinical Microbiology, 8th Ed., American Society for Microbiology, Washington, D.C.

## • PACKAGE

Cat No : MB-S2251 Salt Broth Modified	500 G
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