

Sodium Chloride 7.5% Broth



Selective medium used for the isolation of *Staphylococcus aureus* from pharmaceutical products.

• CONTENTS (Liter)

Peptone	10.0 g
Beef Extract	3.0 g
Sodium Chloride	75.0 g
Final pH = 7.4 ± 0.2 at 25°C.	

• PROCEDURE

Suspend 88.0 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. If necessary, dispense the medium before autoclave.

• INTERPRETATION

Sodium Chloride 7.5% Broth is a selective medium used for the isolation of *Staphylococcus aureus* from pharmaceutical products. Peptone and beef extract provide nitrogen, carbon, amino acids and minerals. Sodium chloride inhibits bacterial organisms other than Staphylococci in the partial or complete.

• TECHNIC

Inoculate the specimen with stab using a sterile needle to the medium. Shake gently for spreading microorganism. Incubate at 35 ± 2°C for 18 - 24 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 with no precipitate.

Color: light amber.

Incubation conditions: 35 ± 2°C / 18 - 24 hours

Microorganism	ATCC	Inoculum CFU	Growth
<i>Staphylococcus aureus</i>	25923	50-100	good
<i>Escherichia coli</i>	25922	≥10 ³	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 or until signs of deterioration or contamination are evident. Store prepared medium at 2-8°C.

• REFERENCES

1. EVANS, J. B. (1948). Studies of staphylococci with special reference to the coagulase- positive types. J. Bact. 55, 793.
2. The Chinese pharmacopoeia

• PACKAGE

Cat. No : MB-S0870 Sodium Chloride 7.5% Broth	500 G
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