



Standard Staphylococcus Broth

M578

Standard Staphylococcus Broth is used for cultivation of Staphylococci.

Composition**

Ingredients	Gms / Litre
Peptic digest of animal tissue	10.000
Yeast Extract	5.000
Sodium chloride	5.000
Final pH (at 25°C)	7.0±0.2

**Formula adjusted, standardized to suit performance parameters

Directions

Suspend 20.0 grams in 1000 ml distilled water. Heat if necessary to dissolve completely. Dispense as desired and sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.

Principle And Interpretation

Staphylococcus Broth is recommended for the cultivation of Staphylococci from clinical and nonclinical specimens. It is a nutritive medium providing enough nutrients for the growth of Staphylococci. Peptic digest and yeast extract supply essential growth factors such as nitrogen, carbon, sulphur, vitamins and trace nutrients. Sodium chloride maintains the osmotic balance of the medium.

Quality Control

Appearance

Yellow coloured homogeneous free flowing powder

Colour and Clarity of prepared medium

Light amber coloured clear solution without any precipitate.

Reaction

Reaction of 2% w/v aqueous solution at 25°C. pH : 7.0±0.2

pH

6.80-7.20

Cultural Response

M578: Cultural characteristics observed after an incubation at 35-37°C for 24-48 hours.

Organism

Growth

Staphylococcus aureus good - luxuriant

ATCC 19095

Staphylococcus aureus good - luxuriant

ATCC 25923

Staphylococcus epidermidis good - luxuriant

ATCC 12228

Storage and Shelf Life

Store below 30°C in tightly closed container and the prepared medium at 2-8°C Use before expiry date on the label.

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