

## TM 299 - STANDARD STAPHYLOCOCCUS BROTH

### INTENDED USE

For cultivation of Staphylococci.

### PRODUCT SUMMARY AND EXPLANATION

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.

### COMPOSITION

Ingredients	Gms / Ltr
Peptic digest of animal tissue	10.000
Yeast Extract	5.000
Sodium chloride	5.000

### PRINCIPLE

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.

### INSTRUCTION FOR USE

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

### QUALITY CONTROL SPECIFICATIONS

**Appearance of Powder** : Yellow coloured homogeneous free flowing powder.  
**Appearance of prepared medium** : Light amber coloured clear solution without any precipitate.  
**pH (at 25°C)** : 7.0±0.2

### INTERPRETATION

Cultural characteristics observed after an incubation.

Microorganism	ATCC	Inoculum (CFU/ml)	Growth	Incubation Temperature	Incubation Period
<i>Staphylococcus aureus</i>	19095	50-100	Good - luxuriant	35-37°C	24-48 Hours
<i>Staphylococcus aureus</i>	25923	50-100	Good - luxuriant	35-37°C	24-48 Hours

<i>Staphylococcus epidermidis</i>	12228	50-100	Good - luxuriant	35-37°C	24-48 Hours
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#### PACKAGING:

In pack size of 500 gm bottles.

#### STORAGE

Dehydrated powder, hygroscopic in nature, store in a dry place, in tightly-sealed containers between 25-30°C and protect from direct sunlight. Under optimal conditions, the medium has a shelf life of 4 years. When the container is opened for the first time, note the time and date on the label space provided on the container. After the desired amount of medium has been taken out replace the cap tightly to protect from hydration.

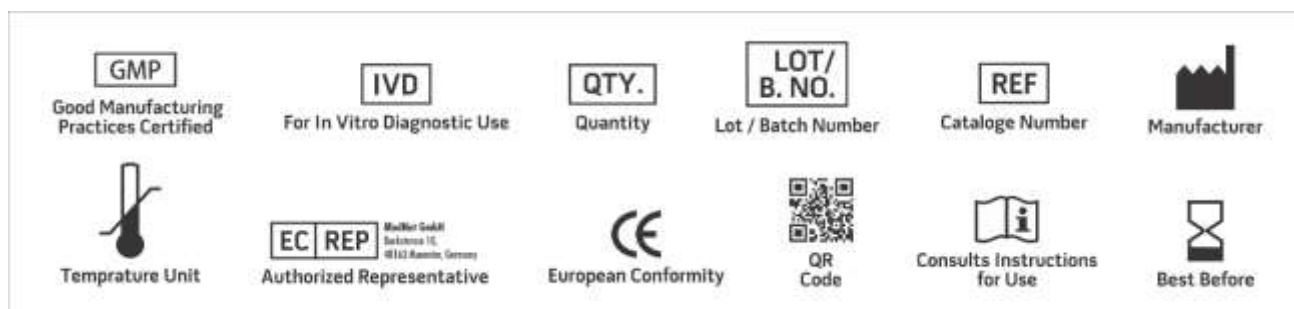
**Product Deterioration:** Do not use if they show evidence of microbial contamination, discoloration, drying or any other signs of deterioration.

#### DISPOSAL

After use, prepared plates, specimen/sample containers and other contaminated materials must be sterilized before discarding.

#### REFERENCES

1. Murray PR, Baron, Pfaller, and Tenenbaum (Eds.), 2003, In Manual of Clinical Microbiology, 8th ed., ASM, Washington, D.C



**NOTE:** Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.

**\*For Lab Use Only**  
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