

TM 1939 – AATCC BACTERIOSTASIS BROTH (FDA BROTH)

INTENDED USE

For routine antibacterial testing of antiseptics and disinfectants.

PRODUCT SUMMARY AND EXPLANATION

AATCC Bacteriostasis Broth (FDA Broth) is useful for subcultures in phenol coefficient and dilution tests of bacteriostatic, germicidal, sporicidal activity and also as a base for the preparation of AATCC Bacteriostasis Agar.

COMPOSITION

Ingredients	Gms / Ltr
Peptone	10.000
Beef extract	5.000
Sodium chloride	5.000

PRINCIPLE

The medium contains Peptone and Beef extract are sources of carbon, nitrogen, vitamins and minerals. Sodium chloride provides essential ions. The test cultures of *Escherichia coli* and *Staphylococcus aureus* are grown in AATCC Bacteriostasis Broth for 24 hours. 1 ml of this culture is mixed with 150 ml of AATCC Bacteriostasis Agar and poured into the plate. After the agar solidifies, apply a circular sterile test fabric of 28.6 mm diameter onto the plate. Incubate at 35-37°C for 18-24 hours and observe the inhibition of growth around test fabric.

INSTRUCTION FOR USE

- Suspend 20.0 grams in 1000 ml purified / distilled water.
- Heat if necessary to dissolve the medium completely.
- Sterilize by autoclaving at 15 psi pressure (121°C) for 15 minutes and cool to 45-50°C.
- Mix well and dispense as desired.

QUALITY CONTROL SPECIFICATIONS

Appearance of Powder : Cream to yellow homogeneous free flowing powder.
Appearance of prepared medium : Amber coloured clear solution in tubes.
pH (at 25°C) : 6.8±0.2

INTERPRETATION

Cultural characteristics observed after incubation.

Microorganism	ATCC	Inoculum (CFU)	Growth	Incubation Temperature	Incubation Period
<i>Escherichia coli</i>	25922	50-100	Good-luxuriant	35-37°C	18-24 Hours



<i>Pseudomonas aeruginosa</i>	27853	50-100	Good-luxuriant	35-37°C	18-24 Hours
<i>Staphylococcus aureus subsp. aureus</i>	6538	50-100	Good-luxuriant	35-37°C	18-24 Hours
<i>Salmonella Typhi</i>	6539	50-100	Good-luxuriant	35-37°C	18-24 Hours

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. Tech. Manual of AATCC, 1985, Vol. 61, AATCC, Research Triangle Park,N.C.
2. Williams (Ed.), 1995, Official methods of Analysis of AOAC, 16th ed. AOAC, Washington D.C.

 GMP Good Manufacturing Practices Certified	 Best Before	 QTY. Quantity	 REF Cataloge Number	 Manufacturer
 Temperature Unit	 LOT/ B. NO. Lot / Batch Number	 Consults Instructions for Use	 QR Code	

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

***For Lab Use Only**
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