

# ANTIBIOTIC AGAR NO 1 (10 ML)

**INTENDED USE:**

A medium recommended for the seed layer in the preparation of plates for the microbiological assay of antibiotics.

**PRINCIPLE AND INTERPRETATION:**

Nutrients and growth factors are supplied by the ingredients like peptic digest of animal tissue, casein enzymic hydrolysate, yeast extract and beef extract. Dextrose is supplemented as a carbon and energy source.

**COMPOSITION:**

Ingredients	Gr/Liter
Peptone	6 gr
Casein enzymic hydrolysate	4 gr
Yeast extract	3 gr
Beef extract	1.5 gr
Dextrose	1 gr
Agar	15 gr

\*\*\*Formula adjusted, standardized to suit performance parameters

pH: 6,5 ± 0.2

**PRECAUTIONS:**

For professional use only. Do not use tubes if they show evidence of microbial contamination, discoloration, drying, cracking or other signs of deterioration.

**TEST PROCEDURE:**

Before use, agar surfaces of the completed medium (in Petri dishes or in tubes) should be smooth and moist, but without excessive moisture because this could cause confluent growth. Consult the appropriate references for specific methods.

If used for hygiene monitoring, incubate at 30 to 35° C, for up to 5 days. If used for pharmaceutical materials, consult the references

**QUALITY CONTROL:****1.Sterility Control:**

Incubation 2d at 30-35°C and 3d at 20-25°C: NO GROWTH

**2.Physical/Chemical Control**

pH: 6,5 ± 0,2

Appearance: Light amber

**3.Microbiological Control:** Incubation at 35± 2 °C;24-48 hours and 25±2 °C:5 d

Microorganism	Inoculum (CFU)	Results	
		Growth	Reaction
Bacillus subtilis ATCC 6633	10-100	Good	Good
Staphylococcus aureus ATCC 25923	10-100	Good	Good
Staphylococcus epidermidis ATCC 12228	10-100	Good	Good

**STORAGE CONDITIONS AND SHELF LIFE:**

Store the prepared medium at 2-12°C. Use before expiry date on the label. Do not use beyond stated expiry date.

**DISPOSAL:**

Incubated prepared medium may contain active bacteria and micro-organisms. Do not open infected medium. Infected plate should be autoclaved, incinerated or opened and soaked in a chlorine-based disinfectant (liquid bleach) for 20 minutes prior to disposal.

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## PACKAGING:

**Katalog Number:** 01093

**Content/Packaging:** 50 Tubes/Box

## REFERENCES:

1. Pelczar M. J. Jr., Reid R. D., Chan E. C. S., 1977, Microbiology, 4th Edi, Tata McGraw-Hill Publishing Company Ltd,New Delhi
2. The United States Pharmacopoeia, 2009, The United States Pharmacopoeial Convention, Rockville, MD.
3. Murray P. R., Baron J. H., Pfaller M. A., Jorgensen J. H. and Tenover F. C., (Eds.), 2003, Manual of Clinical Microbiology, 8th Ed., American Society for Microbiology, Washington, D.C.
4. Grove and Randall, 1955, Assay Methods of Antibiotics Medical Encyclopedia, Inc. New York
5. Hanus F. J., Sands J. G. and Bennett E. O. (1967) Applied Microbiology 15(1) 31-34.



Aseptic Sterile



Batch Code



Catalogue Number



Negative Controls



Positive Controls



Use by



Temperature  
Limitation



Do not reuse



Contains sufficient  
for <n> tests



Look at user manual



Manufacturer