

NUTRIENT AGAR

INTENDED USE:

A general culture medium for less fastidious microorganisms as well as for permanent cultures.

PRINCIPLE AND INTERPRETATION:

Meat extract, yeast extract and peptone provide nitrogen, vitamins, amino acids and carbon for growth. Sodium chloride ensure osmotic balance.

COMPOSITION:

Ingredients	Gr/Liter
Meat extract	1 gr
Yeast extract	2 gr
Peptone	5 gr
Sodium chloride	5 gr
Agar	15 gr

***Formula adjusted, standardized to suit performance parameters

pH: 7,4 ± 0,2

PRECAUTIONS:

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

TEST PROCEDURE:

Collect, dilute and prepare samples and volumes as required according to specifications, directives, official standard regulations and/or expected results. Spread the plates by streaking methodology or by spiral method Incubate the plates right side up aerobically at 35 ± 2°C for 18-24h. After incubation, enumerate all the colonies that have appeared onto the surface of the agar. Each laboratory must evaluate the results according to their specifications. Calculate total microbial count per ml of sample by multiplying the average number of colonies per plate by the inverse dilution factor if streaked a diluted sample. Report results as Colony Forming Unit (CFU's) per ml or g along with incubation time and temperature.

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

Incubation 72 hours at 20-25°C and 48 hours at 30-35°C: NO GROWTH

2.Physical/Chemical Control

pH: 7,4 ± 0,2

Apperance: Light amber

3.Microbiological Control: Incubation at 37 °C during 18-24 h.

Microorganism	Inoculum (CFU)	Results	
		Growth	Reaction
Staphylococcus aureus ATCC 25923	10-100	Growth	good-luxuriant >=70%
E. coli ATCC 25922	10-100	Growth	good-luxuriant >=70%
Pseudomonas aeruginosa ATCC 9027	10-100	Growth	good-luxuriant >=70%

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.

RTA.KK.161 Revision Date/Revision Number:-/0 Issue Date: 17.05.2016

PACKAGING:**Katalog Number:** 02038**Packaging:** Single wrap**Content:** 10 plates/each package**REFERENCES:**

1. M.A. Sagardoy, C.M. Salerno, Studies on heterotrophic bacteria in some Argentine soils, Anal. Edaf. Agrobiol. 42, 2069 (1984)
2. M.L. Gray, HJ. Stafseth, F. Thorp, The use of potassium tellurite, sodium azide and acetic acide in a selective medium for the isolation of listeria monocytogenes, J. Bact., 59, 443 (1950)
3. S. Lapage, J. Shelton, T. Mitchell (1970), Methods in Microbiology, J. Norris, D. Rippons (Eds.), Vol. 3A, Academic Press, London
4. J. MacFaddin (1985), Media for Isolation-Cultivation-Identification-Maintainance of Medical Bacteria, Vol. 1, Williams, Wilkins, Baltimore



Aseptic Sterile



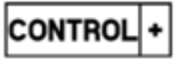
Batch Code



Catalogue Number



Negative Controls



Positive Controls



Use by

Temperature
Limitation

Do not reuse

Contains sufficient
for <n> tests

Look at user manual



Manufacturer



CE Mark