

NUTRIENT AGAR

Medium for non fastidious microorganisms growth.

TYPICAL FORMULA (g/l)

Peptone	5.0
Beef Extract	1.0
Sodium Chloride	5.0
Yeast Extract	2.0
Agar	15.0
Final pH 6.8 ± 0.2	

DESCRIPTION

NUTRIENT AGAR is a general purpose medium used for the cultivation of those microorganisms that are not exacting on their food requirements. It is the formula as specified by the American Public Health Association in Standard Methods for the Examination of Water and Sewage and Standard Methods for the Examination of Dairy Products.

PRINCIPLE

Peptone and beef extract are a source of proteins and free amino acids. Yeast extract is a source of vitamins of group B. Sodium chloride maintains the osmotic balance of the medium. Agar is the solidifying agent.

PREPARATION

Melt the content of the bottle in a boiling water-bath at 100°C (loosing the caps partially unscrewed) until completely dissolved. Cool to 45-50°C, mix well avoiding the formation of bubbles and aseptically distribute into Petri dishes. Allow the medium to solidify. Store the plates in tightly closed containers.

TECHNIQUE

Inoculate 0.1 mL of appropriate dilutions in duplicate on the solidified agar. Spread over the entire surface using a sterile bent glass rod. Incubate plates at 36± 1°C for 18-24 hours.

INTERPRETATION OF RESULTS

Good growth of non fastidious microorganisms will appear as traslucent colonies.

STORAGE

10-25°C away from light, until the expiry date on the label or until signs of deterioration or contamination are evident.

WARNING and PRECAUTIONS

The product is not classified as hazardous by current legislation and does not contain harmful substances in concentrations of ≥1%. The product is designed for *In vitro* diagnostic use and must be used only by properly trained operators.

DISPOSAL of WASTE

Disposal of waste must be carried out according to national and local regulations in force.

REFERENCES

1. American Public Health Association. 1923. Standard methods of water analysis, 5th ed.
2. Association of Official Analytical Chemists. 1995. Official methods of analysis of AOAC International, 16th ed.
3. Marshall, R.T. (ed.). 1993. Standard methods for the microbiological examination of dairy products, 16th ed.



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PRODUCT SPECIFICATIONS

NAME

NUTRIENT AGAR

PRESENTATION

Glass bottles containing 500 ml of medium (code 470060).

Glass bottles containing 200 ml of medium (code 412190).

Glass bottles containing 100 ml of medium (code 402190).

PACKAGING

Code	Content	Packaging
470060	6 bottles x 500 ml	6 bottles in cardboard box
412190	6 bottles x 200 ml	6 bottles in cardboard box
402190	6 bottles x 100 ml	6 bottles in cardboard box

pH OF THE MEDIUM

6.8 ± 0.2

USE

NUTRIENT AGAR is a general purpose medium used for the cultivation of those microorganisms that are not exacting on their food requirements. It is the formula as specified by the American Public Health Association in Standard Methods for the Examination of Water and Sewage and Standard Methods for the Examination of Dairy Products.

TECHNIQUE

Refer to technical sheet of the product.

APPEARANCE OF THE MEDIUM

Light amber, slightly opalescent.

SHELF LIFE






2 years

QUALITY CONTROL

- Control of general characteristics, label and print
- Sterility control
7 days at 25 ± 1°C, in aerobiosis
7 days at 36 ± 1°C, in aerobiosis
- Microbiological control
Inoculum for productivity: 10-100 UFC/ml
Incubation conditions: 24 h at 36 ± 1°C

Microorganism		Growth
<i>Escherichia coli</i>	ATCC 25922	good
<i>Staphylococcus aureus</i>	ATCC 25923	good
<i>Enterococcus faecalis</i>	ATCC 29212	good
<i>Pseudomonas aeruginosa</i>	ATCC 27853	good

TABLE OF SYMBOLS

IVD In vitro Diagnostic Medical Device	LOT Batch code	 Manufacturer	 Contains sufficient for <n> tests
REF Catalogue number	 Temperature limitation	 Use by	 Caution, consult accompanying documents



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