

Nutrient Agar modified

Medium for the cultivation of non-fastidious bacteria from clinical and non clinical specimens.

TYPICAL FORMULA (g/l)

Meat Extract	3.0
Peptone	5.0
Agar	15.0
Final pH 6.8 ± 0.2 at 25°C	

DESCRIPTION

Nutrient Agar modified is a general purpose medium used for growing a wide variety of microorganisms.

This medium is specified in many standard methods procedures for the examination of food, dairy products, water, and other materials.

PRINCIPLE

Meat extract and peptone provide the nitrogen, vitamins, minerals and amino acids for growth. Agar is the solidifying agent.

PREPARATION

Suspended 23.0 g of powder in 1 liter of distilled or deionized water. Heat to boiling to dissolve completely. Sterilize in autoclave at 121°C for 15 minutes. Dispense in Petri dishes.

TECHNIQUE

Inoculate with isolated colonies or a loopful of pure culture from broth. Streak for isolation. Incubate aerobically at 35 ± 2°C for 18-24 hours or longer if necessary.

INTERPRETATION OF RESULTS

Observe colonies growth.

STORAGE

The powder is very hygroscopic: store the powder at 10-30°C, in a dry environment, in its original container tightly closed and use it before the expiry date on the label or until signs of deterioration or contamination are evident.

WARNING AND PRECAUTIONS

The product does not contain hazardous substances in concentrations exceeding the limits set by current legislation and therefore is not classified as dangerous. It is nevertheless recommended to consult the safety data sheet for its correct use. 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. Eaton, A. D., L. S. Clesceri, and A. E. Greenberg (eds.). 1995. Standard methods for the examination of water and wastewater, 19th ed. American Public Health Association, Washington, D.C.
2. Association of Official Analytical Chemists. 1995. Official methods of analysis of AOAC International, 16th ed. AOAC International, Arlington, VA.
3. Marshall, R.T. (ed). 1993. Standard methods for the microbiological examination of dairy products, 16th ed. American Public Health Association, Washington, D.C.



LIOFILCHEM® S.r.l.

Via Scozia, Zona Ind.le - 64026, Roseto degli Abruzzi (TE) - ITALY

Tel +39 0858930745 Fax +39 0858930330 Website: www.liofilchem.net E-mail: liofilchem@liofilchem.net



PRODUCT SPECIFICATIONS

NAME

Nutrient Agar modified

PRESENTATION

Dehydrated medium

STORAGE

10-30°C

PACKAGE

Ref.	Content	Packaging
610385	500 g	500 g of powder in plastic bottle
620385	100 g	100 g of powder in plastic bottle

pH OF THE MEDIUM

6.8 ± 0.2

USE

Nutrient Agar modified is a general purpose medium used for or the cultivation of the majority of the less fastidious microorganisms. It is recommended for the examination of food, water and dairy products.

TECHNIQUE

Refer to technical sheet of the product

APPEARANCE OF THE MEDIUM

Dehydrated medium

Appearance: free-flowing, homogeneous

Colour: beige

Prepared medium

Appearance: very slightly to slightly opalescent, no significant precipitate

Colour: light amber

SHELF LIFE

4 years

QUALITY CONTROL

- Control of general characteristics, label and print
- Microbiological control
Inoculum for productivity: 50-100 CFU
Incubation conditions: 18-24 h at 35 ± 2°C

Microorganism		Growth
<i>Enterococcus faecalis</i>	ATCC® 29212	Good
<i>Escherichia coli</i>	ATCC® 25922	Good
<i>Pseudomonas aeruginosa</i>	ATCC® 27853	Good

TABLE OF SYMBOLS

 Batch code	 <i>In vitro</i> Diagnostic Medical Device	 Manufacturer	 Use by	 Fragile, handle with care
 Catalogue number	 Temperature limitation	 Contains sufficient for <n> tests	 Consult instructions for use	 Keep away from heat sources



LIOFILCHEM® S.r.l.

Via Scozia, Zona Ind.le - 64026, Roseto degli Abruzzi (TE) - ITALY

Tel +39 0858930745 Fax +39 0858930330 Website: www.liofilchem.net E-mail: liofilchem@liofilchem.net

