



## THAYER MARTIN AGAR

Selective medium for *Neisseria spp* isolation.

### TYPICAL FORMULA (g/L)

Proteose Peptone N°3.....	15.0
Corn Starch.....	1.0
Potassium Phosphate dibasic.....	4.0
Potassium Phosphate monobasic.....	1.0
Sodium Chloride.....	5.0
Agar.....	17.0
Horse defibrinated blood.....	50.0 ml
Cyanocobalamine.....	0.05 mg
Glutamine.....	5.5 mg
Thiamine HCl.....	1.0 ml
L-Cysteine HCl.....	0.12 ml
Adenine.....	5.0 mg
p-aminobenzoic acid.....	0.065 mg
Coccarboxylase.....	0.5 mg
Guanine.....	0.15 mg
NAD.....	1.25 mg
Ferric nitrate.....	0.1 mg
Vancomycin.....	1.0 mg
Colistin sulphate.....	3.75 mg
Amphotericin B.....	0.5 mg
Trimethoprim.....	1.5 mg
Final pH=7.2 ± 0.2	

### DESCRIPTION

THAYER MARTIN AGAR is used to isolate and cultivate *Neisseria spp*.

### PRINCIPLE

*Neisseria gonorrhoeae* and *Neisseria meningitidis* are aerobic, Gram-negative diplococci, which grow optimally in an environment with 2-10% CO<sub>2</sub>. These organisms are very fastidious and cultivate with oxidase positive colonies.

### TECHNIQUE

Streak the sample on the medium surface with a sterile loop to ensure an adequate dispersion of the organisms. Tubes are incubated at 36±1 °C. Examine the tubes after 24 hours incubation and, if negative, reincubate for further 24 hours. Presumptive gonococcus colonies are identified by the Gram stain, oxidase and sugar fermentation reactions.

### INTERPRETATION of RESULTS

Typical colonies isolated on this medium which are oxidase positive and composed of Gram-negative diplococci can be considered to be presumptive of *Neisseria gonorrhoeae* and *Neisseria meningitidis*.

### STORAGE

2-8 °C away from light, until the expiry date on the label or until signs of deterioration or contamination are evident.

### WARNING and PRECAUTIONS

For laboratory use.

The product doesn't contain dangerous substances according to directives 1999/45/CE and 2001/60/CE or for which exist recognized exposure limits.

### DISPOSAL of WASTE

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

### REFERENCES

1. Chapin, C.K., G.V. Doern (1983). *J. Clin. Microbiol.* 17: 1163-1165.
2. Martin, J.E., Armstrong J.H., Smith P.B. (1974). *Appl. Microbiol.* 27: 802-805.
3. NCCLS document M22-A2, 1996. *Quality Assurance for Commercially prepared Microbiological Culture Media-Second ed. Approved Standard.*
4. Seth, A. (1970). *Brit. J. Vener. Dis.* 46: 201-202.



**Liofilchem s.r.l** Bacteriology Products

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## PRODUCT SPECIFICATIONS

### NAME

THAYER MARTIN AGAR

### PRESENTATION

Ready-to-use glass tubes containing 10+/-1 ml.

### PACKGING

Code	Content	Packaging
33040	10 tubes x 10 ml	10 tubes in cardboard box

### pH OF THE MEDIUM

7.2 ± 0.2

### USE

THAYER MARTIN AGAR is used to isolate and cultivate *Neisseria spp.*

### STORAGE

2-8°C

### TECHNIQUE

Refer to technical sheet of the product.

### APPEARANCE OF THE MEDIUM

Opaque chocolate-brown medium.

### SHELF LIFE

1 year

### 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.  
Inoculum for selectivity: 10<sup>4</sup>-10<sup>5</sup> UFC/ml.  
Inoculum for specificity: ≤ 10<sup>4</sup> UFC/ml.  
Incubation conditions: 24-48 h at 36 ± 1°C.

Microorganism		Growth
<i>Neisseria gonorrhoeae</i>	ATCC 43069	Good
<i>Neisseria meningitidis</i>	ATCC 13090	Good

### TABLE of SYMBOLS

Symbol	Meanings
REF	Catalogue number
IVD	<i>In vitro</i> Diagnostic Medical Device
	Manufacturer
	Temperature limitation
	Use by
LOT	Batch code
	Consult accompanying documents

CE



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