Technical Data Sheet

Product: Thayer Martin VCNT



Specification

Selective medium for Neisseria spp

Presentation

20 Prepared Plates 90 mm with: 21 ± 2 ml	Packaging Details 1 box with 2 packs of 10 plates/pack. Single cellophane.	Shelf Life 3 months	Storage 2-14 °C
Composition			

Composition (g/l):	
G.C. Agar	
Haemoglobin	10.0
Concent.growth factors	0.77
Colistine	0.0075
Vancomycin	0.003
Nystatin	12500 IU
Trimethoprim	0.005
-	

Description /Technique

Collect, dilute and prepare samples as required.

Spread the samples on the plate by streaking methodolgy or spiral method. Incubate the plates inverted position in a 5% carbon dioxide enriched aerobic atmosphere at 35-37°C for 24-48°C hours. Preferably, spread with the same sample other non-selective media, previously defined by the laboratory, to have better and comparative results.

Different animal blood source, greater incubation times, humidity or larger percentage of carbon dioxide in atmosphere,... may be required depending on the sample, on the specifications of the laboratory, the expected isolations to be found.

Each laboratory must evaluate and report results carefully; this highly nutritive medium allows recovery of a wide variety of fastidious microorganisms, althought selective supplementation of the medium supresses almost all the accompanying flora.

Consider both hemolysis reactions and colony appearance as well the results obtained from other culture media, as keys for microbiological identification (calculate total microbial counts considering, if applied to the samples, the inverted dilution factors)

Presumptive isolation of Neisseria sp. must be confirmed by further microbiological and biochemical tests.

Quality control

Physical/Chemical control

Color : Brownish pH: 7.2 ± 0.2 at 25°C

Microbiological control

Inoculate 30-300 CFU (productivity) 1.000-10.000 CFU (selectivity)

Analytical methodology according to ISO 11133:2014/A1:2018; A2:2020.

5-10% CO2 atmosphere. Incubation at 37 ±1 °C during 48 ± 2 h.

Microorganism

Candida albicans ATCC® 10231, WDCM 00054 Staphylococcus aureus ATCC® 6538, WDCM 00032 Neisseria gonorrhoeae ATCC® 19424 Neisseria meningitidis ATCC[®] 13090 Proteus mirabilis ATCC® 43071

Sterility Control

Incubation 48 h at 30-35 °C and 48 h at 20-25 °C: NO GROWTH. Check at 7 days after incubation in same conditions.

Growth

Inhibited - poor Inhibited Good Good Partial Inhibition



Revision date: 19/05/23

VWR International LLC, Radnor Corporate Center, Building One, Suite 200, 100 Matsonford Road Radnor, PA 19087 VWR International bv - Haasrode Research Park, Zone 2020 - Geldenaaksebaan 464 - BE-3001 Leuven www.vwr.com

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Storage

Storage conditions: 2-14°C

Avoid direct contact with surfaces that can freeze product.



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