



Chocolate Agar Plates (90mm)

For isolation of Neisseria gonorrhoeae from chronic and acute gonococcal infections.

Product Presentation:

Cat No.	Product description	Pack Size
31010090060	Chocolate Agar Plates	60 Plates

Principle

Neisseria gonorrhoeae is a gram-negative bacteria and the causative agent of gonorrhoea, however it is also occasionally found in the throat. The cultivation medium for gonococci should ideally be a rich nutrients base with blood, either partially lysed or completely lysed. The diagnosis and control of gonorrhoea have been greatly facilitated by improved laboratory methods for detecting, isolating and studying N. gonorrhoeae. The diagnosis and control of gonorrhoea have been greatly facilitated by improved laboratory methods for detecting, isolating and studying N. gonorrhoea. Interest in the cultural procedure for the diagnosis of gonococcal infection was stimulated by Mcleod and co-workers, Carpenter and Morton and others. who clearly demonstrated the superiority of this method over the microscopic technique.

Composition

Ingredients

Grams / Litre

Proteose Peptone	20.0
Dextrose	0.50
Dipotassium phosphate	5.00
Sodium chloride	5.0
Agar	15.00
After sterilization.	
Defibrinated sterile blood at (80°)	50 mL

*Formula adjusted, standardized to suit performance parameters

Additional Material Required

Bacteriology Incubator.

Directions

- ✓ Open the sterile pack and remove Chocolate Agar Plate aseptically.
- ✓ Inoculate/streak the plate and Incubate in inverted position as per standard procedure.

Storage and Stability

- ✓ Store between 2°C-8°C to avoid water condensation. Condensation can be prevented by avoiding quick temperature shifts and mechanical stress.
- ✓ Under optimal conditions, the medium has a shelf life of 3 months. Use before expiry mentioned on the label.

FACTORY & OFFICE

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Quality Control

Appearance: Gel with smooth, even surface without any cracks, bubbles and drying or shrinking of media.

Colour and Clarity of Medium: Chocolate coloured opaque medium slightly opalescent gel forms in petridishes.

Quantity of Medium: 25 ± 2 g media in 90 mm petriplate.

pH at 25°C±2°C: 7.3±0.2

Growth Promotion Test:

Growth promotion was carried out in accordance with the harmonized method of USP/EP/JP and growth was observed after incubation at 35-37°C for 24-48 hours.

Growth Promoting Properties:

Growth of the microorganisms is comparable to the previously tested and approved lot. The test results observed are within the specified temperature and shortest period of time, inoculating ≤100 cfu of appropriate microorganism.

Cultural Response:

Organism	Type Culture	Growth	Incubation Temperature	Incubation Period
<i>Neisseria gonorrhoeae</i>	ATCC 19424	Good	35°C -37°C	24 Hours
<i>Neisseria meningitidis</i>	ATCC 13090	Good	35°C -37°C	24 Hours
<i>Streptococcus pneumoniae</i>	ATCC 6303	Good	35°C -37°C	24 Hours
<i>Streptococcus pyogenes</i>	ATCC 19615	Good	35°C -37°C	24 Hours
<i>Haemophilus influenzae</i>	ATCC 19418	Good	35°C -37°C	24 Hours

Disposal

Disposal of infectious material and material that comes in to contact with clinical sample must be decontaminated and dispose of by autoclaving or incineration or established laboratory procedures.

User must be ensure safe disposal of used or unusable preparation of the products.

Reference

- ✓ Pelczar M. J. Jr., Reid R. D., Chan E. C. S., 1977, Microbiology, 4th Ed., Tata McGraw-Hill Publishing Company Ltd, New Delhi.
- ✓ Koneman E. W., Allen S. D., Janda W. M., Schreckenberger P. C., Winn W. C. Jr., 1992, Colour Atlas and Textbook of Diagnostic Microbiology, 4th Ed., J. B. Lippincott Company.

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