

Chocolate Agar Plate**(M300)**

Medium for the isolation and cultivation of fastidious microorganisms especially *N.meningitidis*, *N.gonorrhoeae* and *Haemophilus* species.

Composition

Composition (g/l):

Proteose peptone Dextrose ----- 0.500

Sodium chloride ----- 5.000

Disodium phosphate ----- 5.000

Agar ----- 15.000

After sterilization

Sheep Blood ----- 60-70ml

Vitamins Growth Supplement - 2 vials

Description

Chocolate Agar Base, with the addition of supplements, gives excellent growth of the gonococcus and *Haemophilus* species without overgrowth by contaminating organisms.

Chocolate Agar Base with addition of supplement not only supports the growth of the gonococcus in pure culture but also permits its development from the mixed flora encountered in chronic gonococcal infections.

Specimen Collection and Handling

For clinical samples follow appropriate techniques for handling specimens as per established guidelines. After use, contaminated materials must be sterilized by autoclaving before discarding.

Warning and Precautions

In Vitro diagnostic use only. For professional use only. Follow good microbiological lab practices while handling specimens and culture.

Limitations

1. Some strains may show poor growth due to varying nutritional requirements.
2. Further biochemical tests must be carried out for confirmation.

Performance and Evaluation

Performance of the medium is expected when used as per the direction on the label within the expiry period when stored at recommended temperature.

Quality control**Physical/Chemical control**

Color : Chocolate brown pH: 7.10-7.50

Cultural Response

Cultural characteristics observed after an incubation in a 5% carbon dioxide enriched aerobic atmosphere at 35-37°C for 24-48 hours.

Microbiological activity

Organism	Inoculum (CFU)	Growth
Streptococcus pyogenes ATCC 19615	50-100	Good growth in 24-48 hours.
Streptococcus pneumoniae ATCC 6305	50-100	Good growth in 24-48 hours.
Haemophilus influenzae ATCC 49247	50-100	Good growth in 24-48 hours.
Neisseria gonorrhoeae ATCC 49226	50-100	Good growth in 24-48 hours.

Storage and Shelf Life

Store between 2-8°C. Use before expiry date on the label. Product performance is best if used within stated expiry period.

Disposal

User must ensure safe disposal by autoclaving and/or incineration of used or unusable preparations of this product. Follow established laboratory procedures in disposing of infectious materials and material that comes into contact with sample must be decontaminated and disposed of in accordance with current laboratory techniques.

Reference

1. Carpenter C. M., and Marton H. E., 1947, Proc. N. Y. State Assoc. Public Health Loss., 27:58.
2. Carpenter C. M., Bucca M. A., Buck T. C., Casman E. P., Vhristensen C. W., Crowe E., Drew R., Hill J., Lankford L. E., Morton H. E., Peizer L. R., Shaw C. J., and Thayer J. D., 1949, Am. J. Syphil. Gonorrh. Venereal Diseases, 33:164.
3. Isenberg, H.D. Clinical Microbiology Procedures Handbook 2nd Edition.
4. Jorgensen, J.H., Pfaller, M.A., Carroll, K.C., Funke, G., Landry, M.L., Richter, S.S and Warnock, D.W. (2015) Manual of Clinical Microbiology, 11th Edition. Vol. 1.