

TRICHOMONAS BROTH

IVD in Class A, EU Reg. 2017/746

 For in vitro diagnostic use **IVD**

Medium for the cultivation of Trichomonas and Candida species.

DESCRIPTION

TRICHOMONAS BROTH is a medium used for the cultivation of Trichomonas and Candida species from urogenital specimens.

PRINCIPLE

Trichomonas Broth contains casein peptone, cysteine, liver extract as sources of amino acids, nitrogen, sulfur, carbon, vitamins and trace ingredients. Maltose is an energy source for the metabolism of microorganisms including Trichomonas spp. Chloramphenicol is a broad spectrum antibiotic which inhibits a wide range of gram-positive and gram-negative bacteria. Horse serum contains growth factors required by Trichomonas spp.

COMPOSITION (Trichomonas Broth Base)

	g/L
Tryptone	20.0
Liver extract	5.00
L-Cysteine	1.5
Maltose	1.0
Agar	0.50
Methylene blue	0.003

Final pH 6.0 ± 0,2 at 25°C

WARNING AND PRECAUTIONS

For in vitro diagnostic use.

Observe the precautions normally taken when handling laboratory reagents.

Dehydrated medium: HIGHLY HYGROSCOPIC. During the handling, wear dust protection mask. Avoid the eye contact. Do not use beyond the expiration date or if the product shows signs of deterioration, an altered color or has compacted.

Prepared Medium: The product does not contain hazardous substances in concentrations exceeding the limits set by current legislation and therefore is not classified as dangerous.

Safety Data Sheet is available on request for professional users.

All waste must be disposed of according to local directives.

STORAGE AND STABILITY

Dehydrated medium:	10-30°C
Prepared medium:	2-8°C

TRICHOMONAS BROTH is stable until the expiration date indicated on the label under the recommended storage conditions.

PREPARATION

Dehydrated medium: Suspend 28 g in 950 mL of distilled water. Bring to the boil and dissolve the medium completely. Sterilise by autoclaving at 121°C for 15 minutes. Cool and keep the medium at 50°C. Aseptically add 50 mL of Horse Serum (REF. 16004) and the contents of two bottles of Chloramphenicol Supplement (Ref. 16005). Final pH 6.0 ± 0.2 at 25°C.

Prepared medium (bottles, tubes): ready to use.

PROCEDURE

Inoculate specimens suspected of containing Trichomonas organisms into the broth medium using swabs containing the specimen or by alternative methods, as appropriate. Incubate tubes at 35 ± 2 °C in an aerobic atmosphere. After 48 h and again after 5 days of incubation, prepare a wet mount from the broth and examine microscopically under low power for the presence of flagellate protozoans.

RESULTS

If organisms are found prior to or at the end of the incubation period, report the specimen as positive. If no trophozoites are seen, discard the tubes and report as negative.

QUALITY CONTROL

Dehydrated medium: Fine, homogeneous, free of extraneous material.

Prepared medium: Light to medium, yellow to tan, with blue-green to green ring at top, hazy.

Typical response after incubation at 35°C±2 for 5 days:

MICROORGANISM	GROWTH
Candida albicans ATCC® 10231	Good
Trichomonas vaginalis ATCC® 30001	Good
Staphylococcus aureus ATCC® 25923	Partial to complete inhibition

REFERENCES

1. Kupferberg, A.B., G. Johnson, and H. Sprince. 1948. Nutritional requirements of Trichomonas vaginalis. Proc Soc. Exp. Biol. Med. 67:304-308.
2. Clinical and Laboratory Standards Institute. 2005. Approved Guideline M29-A3. Protection of laboratory workers from occupationally acquired infections, 3rd ed. CLSI, Wayne, Pa.
3. Garner. J.S. 1996. Hospital Infection Control Practices Advisory Committee, U.S. Department of Health and Human Services, Centers for Disease Control and Prevention. Guideline for isolation precautions in hospitals. Infect. Control Hospital Epidemiol. 17: 53-80.
4. U.S. Department of Health and Human Services. 2007. Biosafety in microbiological and biomedical laboratories, HHS Publication (CDC), 5th ed. U.S. Government Printing Office, Washington, D.C.
5. Directive 2000/54/EC of the European Parliament and of the Council of 18 September 2000 on the protection of workers from risks related to exposure to biological agents at work (seventh individual directive within the meaning of Article 16(1) of Directive 89/391/EEC). Official Journal L262, 17/10/2000, p. 0021-0045.
6. Murray, P.R., E.J. Baron, M.A. Pfaller, F.C. Tenover, and R.H. Tenover (ed.). 1999. Manual of clinical microbiology, 7th ed. American Society for Microbiology, Washington, D.C.
7. Forbes, B.A., D.F. Sahm, and A.S. Weissfeld. 1998. Bailey & Scott's diagnostic microbiology, 10th ed. Mosby, Inc., St. Louis
8. Dawson, M.S., R. Mraz, B.K. Garner, R. Brookman and H.P. Dalton. 1985. Comparison of diagnostic tests for the detection of Trichomonas vaginalis in clinical specimens. Abstr. C-16, p. 302. Abstr. 85th General Meeting of the American Society for Microbiology. 1985.

PRESENTATION

Packaging
REF.

Dehydrated medium:

TRICHOMONAS BROTH BASE	100 g	11187
	500 g	10087

Supplements:

HORSE SERUM	100 mL	16004
CHLORAMPHENICOL SUPPLEMENT	10 vials	16005

Prepared medium:

TRICHOMONAS BROTH	100 x 5 mL tubes	5132/100P
--------------------------	-------------------------	------------------

SYMBOLS


Read the instructions

CE Mark (product complies with the requirements of Regulation (EU) 746/2017)

Temperature limitation

For in vitro diagnostic use

Biological hazard

Use by

Manufacturer