

TRICHOMONAS BROTH

Medium for the cultivation of *Trichomonas* species.

TYPICAL FORMULA	(g/l)
Tryptone	17.0
Peptone	3.0
Yeast Extract	10.0
Maltose	5.0
L-Cysteine	1.0
Ascorbic Acid	1.0
Potassium Phosphate, Monobasic	1.0
Potassium Phosphate, Dibasic	0.6
Chloramphenicol	0.1
Horse Serum (Heat-inactivated)	100 ml
Final pH 6.4 ± 0.2	

DESCRIPTION

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

PRINCIPLE

Tryptone and peptone are sources of carbon, nitrogen, sulfur-containing amino acids, vitamins and minerals. Yeast extract provides vitamins, particularly of B-group. Maltose is an energy source. L-Cysteine and ascorbic acid are required to maintain a reducing environment. Potassium phosphates act as buffer agents. 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.

PREPARATION

Check the content of the tube is homogeneous and clear, in case turning upside down few times the tube. TRICHOMONAS BROTH may be used as it is or aseptically aliquoted.

SAMPLES COLLECTION

Specimens to be subjected to cultural examination usually consist of vaginal exudate, genital secretion, semen, prostatic fluid, urethral samples. It is critical that clinical specimens be inoculated into culture medium as soon as possible after collection.

TECHNIQUE

1. Bring to room temperature or preferably at 37°C the necessary tubes.
2. Open the tubes only immediately before the inoculum. Opened tubes, closed and not used within a few hours should be discarded.
3. Inoculate specimens suspected of containing *Trichomonas* organisms into the both medium using swabs containing the specimen or by alternative methods, as appropriate.
4. Incubate tubes at 35 ± 2°C for 3 days.
5. Examine microscopically under low power magnification for the presence of flagellate protozoans.

INTERPRETATION OF 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.

STORAGE AND TRANSPORT CONDITIONS

2-8°C away from light, until the expiry date on the label. However, our stability studies have shown that the transport at 18-25°C for 4 days, or at 35-39°C for 48 hours, does not alter in any way the performance of the product. Eliminate if signs of deterioration or contamination are evident.

WARNING AND PRECAUTIONS

The product does not contain hazardous substances in concentrations exceeding the limits set by current legislation and therefore is not classified as dangerous. It is nevertheless recommended to consult the safety data sheet for its correct use. The product is designed for *In vitro* diagnostic use and must be used only by properly trained operators.

DISPOSAL OF WASTE

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

REFERENCES

1. Bowie, W.R., G.E. Garber, L. Sibau, R. Ma, E. M. Proctor, C.E. Shaw (1987) Cell culture compared with broth detection of *Trichomonas vaginalis* J. Clin. Microbiol. 25:1275-1279.
2. Schmid, G.P., L.C. Matheny, A.A. Zaidi, S.J. Kraus (1989) Evaluation of six media for the growth of *Trichomonas vaginalis* from vaginal secretions J. Clin. Microbiol. 27:1230-1233.
3. Thomason, J.L., S.M. Gelbart, J.F. Sobun, M.B. Schulen, P.R. Hamilton (1988) Comparaison of four methods to detect *Trichomonas vaginalis* 26:1869-1870.
4. Thomason, J.L., S.M. Gelbart, P.J. Osypowski, J.A. James, P.R. Hamilton (1989) Comparaison of Diamond's medium modified and Kupferberg medium for detection of *Trichomonas vaginalis* 27:1095-1096.



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PRODUCT SPECIFICATIONS

NAME

TRICHOMONAS BROTH

PRESENTATION

Glass tubes containing 5 ml of medium

STORAGE

2-8°C

PACKAGING

Ref.	Content	Packaging
24115	20 x 5 ml tubes	20 tubes in cardboard box

pH OF THE MEDIUM

6.4 ± 0.2

USE

TRICHOMONAS BROTH is a medium used for the cultivation of *Trichomonas* species from urogenital specimens

TECHNIQUE

Refer to technical sheet of the product

APPEARANCE OF THE MEDIUM

Appearance: limpid, without precipitates

Colour: cream-white

SHELF LIFE

1 year

QUALITY CONTROL

- Control of general characteristics, label and print
- Sterility control
7 days at 22 ± 1°C, in aerobiosis
7 days at 36 ± 1°C, in aerobiosis
- Microbiological control
Inoculum for productivity: 10-100 CFU/ml
Inoculum for selectivity: 10⁴-10⁵ CFU/ml
Incubation Conditions: 3 days at 36 ± 1°C

Microorganism

Escherichia coli ATCC® 25922
Trichomonas vaginalis ATCC® 30001
Candida albicans ATCC® 10231

Growth

Inhibited
Good
Good

TABLE OF SYMBOLS

 Batch code	 <i>In vitro</i> Diagnostic Medical Device	 Manufacturer	 Use by	 Fragile, handle with care
 Catalogue number	 Temperature limitation	 Contains sufficient for <n> tests	 Caution, consult instruction for use	 Do not reuse



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