

CPLM SELECTIVE WITH CAF

Powdered medium base and ready to use tubes for the detection of *Trichomonas*

Typical formulas

CPLM SELECTIVE WITH CAF (g/l)

Tryptone	20.000
Liver Extract	5.000
Cysteine HCl	1.500
Maltose	1.000
Agar	0.500
Methylene Blue	0.003
Chloramphenicol	0.100

TRICHOMONAS CPLM SELECTIVE BROTH (ready to use tubes)

CPLM Selective with CAF	1000 ml
Horse Serum	50 ml

Directions

Suspend 28.1g in 950ml of Ringer solution or distilled water. Heat to dissolve completely, and autoclave at 118°C for 15 minutes. Cool to about 50°C and aseptically add 50ml of sterile horse serum and distribute into sterile tubes.

Final pH 6.0 ± 0.2

Description

CPLM Selective with CAF is a selective medium for the isolation of organisms belonging to the genus *Trichomonas*. The medium is prepared according to the formula described by Kupferberg, Johnson and Sprince. For the isolation of *Trichomonas*, and for diagnostic purposes from specimens of vaginal and other origins, the presence of an inhibitory agent in the medium is necessary to inhibit other microorganisms commonly present. The best selective agents are penicillin, streptomycin and chloramphenicol. The latter being far more stable than other antibiotics, with regards to sterilisation by autoclaving, is included in CPLM Selective with CAF.

Technique

The medium is inoculated with the sample and incubated at 37°C for 48 hours. After this period, a microscope test on the growth in the broth is carried out.

If the presence of *Trichomonas* is not evident under microscopic observation, continue the incubation for a further 48-72 hours. After this period reexamine the culture under the microscope, and if once again confirms negative, the presence of *Trichomonas* in the specimen can be excluded.

To check anti-trichomonas therapy, Kupferberg recommends the use of a broth culture test at least one week after pharmacological treatment has been suspended. If the result is negative, repeat the test 2-4 weeks after the end of the therapy. If the negative results of the first culture are confirmed, the patient may then be considered parasitologically cured. Research of parasites by the culture method is more accurate than direct microscopic tests of the specimen, and easier to perform.

Storage

Dehydrated medium: 10-30°C

Ready to use tubes: 2-8°C

User prepared tubes: 7 days at 2-8°C

References

- Kean, S.H. and Day, E. (1954) - Am. J. Obst. and Gynec., **68**:1510 - 1518
- Kupferberg, A.B. Johnson, G., and Sprince, H. (1948) - Proc. Soc. Exper. Biol. Med., **67**:304-308.
- Kupferberg A.B. (1955) - International Rec. Med. and Gen Practice Clinics, **168**:709 - 717.
- Williams, M.H. (1950) - Am. J. Obst. and Gynec., **60**:224 - 225.

Packaging

40133112

CPLM Selective with CAF

500 g (17.8 l)

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Trichomonas CPLM Selective Broth

20 x 9 ml ready to use tubes