Trichomonas Agar Base

M665

Trichomonas Agar Base is used for detection and isolation of *Trichomonas vaginalis* and *Candida albicans* from clinical specimens.

Composition**

Ingredients	Gms / Litre
Liver digest	25.000
Sodium chloride	6.500
Dextrose	5.000
Agar	1.000
Final pH (at 25°C)	6.4±0.2

**Formula adjusted, standardized to suit performance parameters

Directions

Suspend 37.5 grams in 920 ml distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool below 60°C. Inactivate 80 ml of horse serum (RM1239) adjust to pH 6.0 and add it to the medium for diagnostic work. Add Trichomonas Selective Supplement II (FD094) to increase selectivity of the medium.

Principle And Interpretation

Trichomonas Agar is formulated as per the formulation of Feinberg and Whittington for the detection and isolation of *Trichomonas vaginalis* and *Candida albicans* from clinical specimens (1).

Stenton reported that the incorporation of liver digest in the medium plays an important role in detection of *Trichomonas vaginalis* (2). Addition of small quantity of agar in the medium creates a slightly reducing atmosphere which in turn favours better growth of *Trichomonas* species.

From a mixed culture of *Trichomonas* and *Candida* , good growth of *Trichomonas* can be obtained as Candida does not interfere with *Trichomonas* . The medium is equally suitable for the examination of urethral and vaginal swabs and urine specimens.

Liver digest provide the nitrogenous substances. Dextrose acts as the energy source. The selective agents chloramphenicol and penicillin (FD094) are inhibitory to gram-positive and gram-negative bacteria but not for *Trichomonas* species. Sodium chloride maintains the osmotic equilibrium of the medium.

Under anaerobic conditions massive inocula are required.

Quality Control

Appearance
Light yellow to light brown homogeneous free flowing powder

Colour and Clarity of prepared medium
Dark amber coloured clear to slightly opalescent viscous solution in tubes.

Reaction
Reaction of 3.75% w/v aqueous solution at 25°C. pH : 6.4±0.2

pH
6.20-6.60

Cultural Response
Cultural characteristics observed with added inactivated Horse Serum (RM1239) and Trichomonas Selective Supplement II (FD094), after an incubation at 35-37°C for 3-5 days.

Cultural Response

Organism	Growth

Cultural Response

Candida albicans ATCC 10231	good-luxuriant
Trichomonas vaginalis ATCC 30001	good-luxuriant
Escherichia coli ATCC 25922	inhibited

Storage and Shelf Life

Store below 30°C in tightly closed container and the prepared medium at 2 - 8°C. Use before expiry date on the label.

Reference

1. Feinberg J.G. and Whittington J.M., 1957, J. Clin. Path., 10:327.
2. Stenton P., 1957, J. Med. Lab. Technol., 14:228.

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