TM 1307 – TRICHOMONAS AGAR BASE

INTENDED USE
For detection and isolation of *Trichomonas vaginalis* and *Candida albicans* from clinical samples.

PRODUCT SUMMARY AND EXPLANATION
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. Stenton reported that the incorporation of liver digest in the medium plays an important role in detection of *Trichomonas vaginalis*. 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. Under anaerobic conditions massive inocula are required.

COMPOSITION

Ingredients	Gms / Ltr
Liver digest	25.000
Sodium chloride	6.500
Dextrose	5.000
Agar	1.000

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

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

QUALITY CONTROL SPECIFICATIONS
Appearance of Powder : Light yellow to light brown homogeneous free flowing powder.
Appearance of prepared medium : Dark amber coloured clear to slightly opalescent viscous solution in tubes.
pH (at 25°C) : 6.4±0.2

INTERPRETATION
Cultural characteristics observed after incubation with added inactivated Horse Serum and Trichomonas Selective Supplement II.

Microorganism	ATCC	Inoculum (CFU/ml)	Growth	Incubation Temperature	Incubation Period

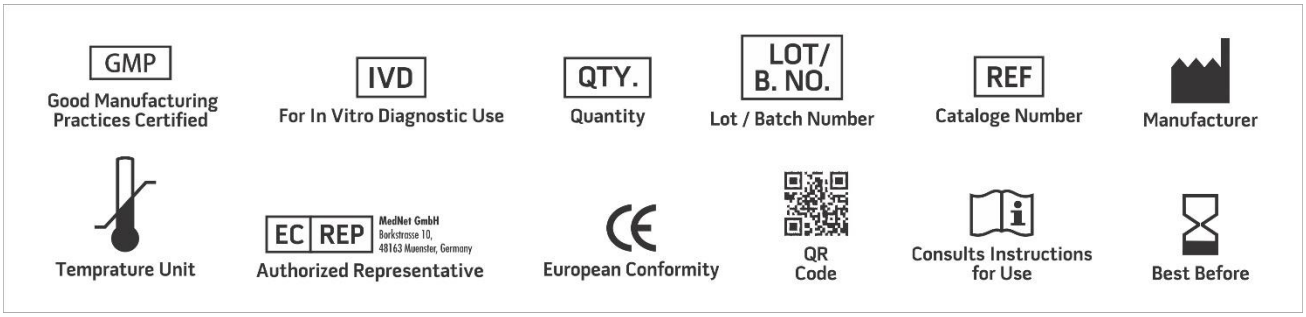
Candida albicans	10231	10-100	Good-luxuriant	35-37°C	3-5 Days
Trichomonas vaginalis	30001	10-100	Good-luxuriant	35-37°C	3-5 Days
Escherichia coli	25922	10^4	Inhibited	35-37°C	3-5 Days

PACKAGING:
In pack size of 500 gm bottles.

STORAGE
Dehydrated powder, hygroscopic in nature, store in a dry place, in tightly-sealed containers between 25-30°C and protect from direct sunlight. Under optimal conditions, the medium has a shelf life of 4 years. When the container is opened for the first time, note the time and date on the label space provided on the container. After the desired amount of medium has been taken out replace the cap tightly to protect from hydration.
Product Deterioration: Do not use if they show evidence of microbial contamination, discoloration, drying or any other signs of deterioration.

DISPOSAL
After use, prepared plates, specimen/sample containers and other contaminated materials must be sterilized before discarding.

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



NOTE: Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.
***For Lab Use Only**
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