

# Laboquick TRICHOMONAS VAGINALIS AG (T.V) TEST

## Laboquick Trichomonas Vaginalis Ag (T.V) Test

One step, rapid test to determine Trichomonas Vaginalis antigens in vaginal swab samples. Only for Professional Use.

**Product Code:** LBTV.01

### Intended Use:

Laboquick Trichomonas Vaginalis Ag cassette test is used as a diagnostic tool to detect qualitative immunochromatographic Trichomonas Vaginalis antigens in vaginal swab samples

### Summary:

Trichomonas vaginalis is an anaerobic, flagellated protozoan, a form of microorganism. The parasitic microorganism is the causative agent of trichomoniasis, and is the most common pathogenic protozoan infection of humans in industrialized countries. Infection rates between men and women are the same with women showing symptoms while infections in men are usually asymptomatic. Transmission takes place directly because the trophozoite does not have a cyst. The WHO has estimated that 180 million cases of infection are acquired annually worldwide. The estimates for North America alone are between 5 and 8 million new infections each year, with an estimated rate of asymptomatic cases as high as 50%. [2]. Usually treatment consists of metronidazole and tinidazole. Trichomoniasis, which is sometimes called "trich," accounts for 15 - 20% of the cases of vaginitis. Unlike the previous two types of vaginitis, trichomoniasis is primarily a sexually transmitted disease in that the disease is passed from person-to-person primarily by sexual contact. It occurs in both men and women and is caused by an infection with the single-celled parasite Trichomonas vaginalis. Infection with Trichomonas vaginalis is frequently associated with other sexually transmitted diseases and helps spread the AIDS virus.

### Test Principle:

Laboquick Trichomonas Vaginalis Ag Test is a membrane based and qualitative which can detect Trichomonas Vaginalis Antigens in vaginal Swab samples.

Trichomonas Vaginalis Ag test has a Window which consists a sample pad that samples is dropped. Sample pad is kept with a porous membrane. Device has a membrane, consists coloured conjugate pad which has Trichomonas Vaginalis Polyclonal antibodies inside and (T) line coated with Trichomonas Vaginalis Antibodies and (C) line coated with Trichomonas Vaginalis goat antibody. If patient Trichomonas Vaginalis antigen is found in sample, Test (T) line will be produced. If there is no Trichomonas Vaginalis Antigen in sample, or it is below cut off point, Test (T) line will not be produced. On the other hand, there is a color line every time in the control space ( C). This control line is a procedural indicator. It confirms that the sufficient sample solution is dropped, the sample expands in the test properly and reagent is under control.

### Package content:

Trichomonas Vaginalis Ag Test Device, sample diluent bottle, sample taking swab rod, silica gel bag for moisture.

### Storage Conditions:

Trichomonas Vaginalis Ag test should be kept under 2 ... 30°C degree. Never let it frozen. The product can be stored in stable condition until the date of expiry written on the product package unless it is open.

### Warnings and Measures:

The following should be taken into consideration to get the correct results;

- 1-Before use, read the instructions carefully,
- 2-Only used in-vitro diagnostic
- 3-Never freeze the tests. If the test is stored in the refrigerator, you should provide the test to have the room temperature before use. The test should be completed under room temperature ( between 5.....30°C degree)
- 4-Do not use the expired products.
- 5-Use the test device immediately after unpackaged.
- 6-If the package of the test is damaged or torn, do not use the test device.
- 7- During the test, any cosmetics should not be used; any food or beverage should not be consumed and smoking should be avoided.
- 8-Prevent the possibility of any leaping of samples or producing the steam during the test.
- 9-It should be remembered that the best results can only be obtained depending on the proper conformance to the instructions.
- 10-Once the test procedure starts, every step should be taken uninterruptedly.

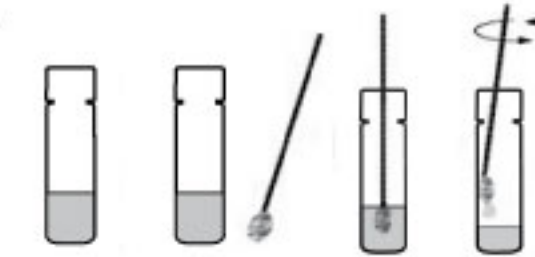
## Test Usage Procedure:

1 Unpack pouch by tearing the related part as shown.



2 Check sample Taking Part.

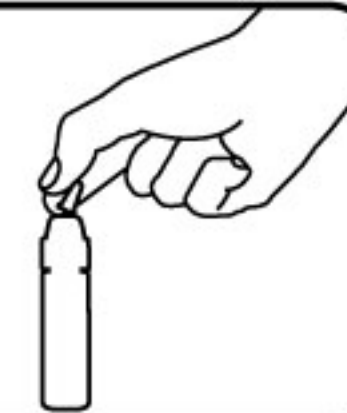
3 Open the tap of diluent bottle, which comes with product and put swab rod inside of bottle. Stir the liquid in the bottle with rod for 30-60 seconds.



4 Close the tap of diluent bottle and shake it well.



5 By being sure that diluent bottle tap is looking upwards, break the part on tap carefully.



6 Drop 3-4 drops of sample dilution to sample well.



7 Read Test Results after 15-30 minutes. Do not take into consideration after 30 minutes.

### Evaluation of the results:



8 The indication line taking part at the section marked with "C" in the result display confirms the NEGATIVE result.



Two indication lines taking part at the sections both marked with "C" and "T" confirms the POSITIVE result.



If any line is not appeared in the result display until the end of the testing time, the test is invalid. The test should be repeated.

### Sample Used For This Test:

Fresh Human, Vaginal Swab Samples should be used for this test

### Sample Collection:

Sample for test should be collected by special sterile vaginal swab rod. Swab rod which consists sample taken from different points of vagina is put into diluent bottle which is sent with product. It is shaken or stirred for 30 – 60 seconds. With this sample is dissolved in diluent liquid. After swab rod it taken out of diluent bottle and diluent bottle tap is closed.

### Sensitivity:

Relative sensitivity of Laboquick Trichomonas Vaginalis Ag cassette test is determined as %99.

### Specificity:

Relative Specificity of Laboquick Trichomonas Vaginalis Ag cassette test is determined as %100.

Method	Sensitivity	Spesificity
Microscope	%72,8	%78,6
Culture	%91,3	%92
Laboquick Trichomonas Vaginalis Ag	%99	%100

### Test Limits:

- 1-Just Laboquick Trichomonas Vaginalis Ag test itself can not be used to diagnose the disease. This test can only be used to detect the presence of Trichomonas Vaginalis antigens in the sample. The test results should definitely be supported by the supplement diagnosis and diagnostic methods with the expert comments.
- 2- In case the defects continue even if the test results are found negative, other various tests should be done by using the other clinical methods. Any result seen as negative does not remove the risk and possibility of Trichomonas Vaginalis Ag infection.
- 3- Test device gives the best result under room temperature
- 4-The most productive completion of the test is depending on full conformance to the instructions. Otherwise the results may lead to faults.
- 5- More than 3-4 drops is applied on the sample hole of the test device can lead to faulty results.

### References

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