

SEXUALLY TRANSMITTED INFECTION SCREENING TEST



Sexually transmitted Infection screening test

A sexually transmitted disease (STD/STI) is an illness that has a significant probability of transmission between humans by means of sexual contact, including vaginal intercourse, oral sex, and anal sex. Most STIs affect both men and women, but in many cases the health problems they cause can be more severe for women. If a pregnant woman has an STI, it can cause serious health problems for the baby.

Studies suggest that the population prevalence of STIs such as syphilis, gonorrhoea, and chlamydia has a range of 0-3.9% in India but the STI burden is much higher among subpopulations practicing high-risk behaviour. A community based STI prevalence study conducted during 2002-03 by the Indian Council of Medical Research (ICMR) has shown that 6% of the adult population in India has one or more STI/RTI.

In some cases, STIs can have serious reproductive health consequences beyond the immediate impact of the infection itself (e.g., infertility or mother-to-child transmission)

Why STI screening is essential?

- STIs often have no signs or symptoms
- People are unaware of infection, and don't receive treatment.
- It may result in long-term damage
- It may have passed infection to others

AyuGen's STI test is a multiplex Real-Time PCR Test based on Taqman Chemistry. In a single test, it detects presence of 9 micro-organisms. The organisms covered in the test include Chlamydia trachomatis, Neisseria gonorrhoeae, Mycoplasma genitalium, Trichomonas vaginalis, Ureaplasma urealyticum / parvum, Gardnerella vaginalis, Herpes simplex virus 1 / 2. AyuGen's STI test kit is CE IVD certified

Specimen required

- Urine swabs
- Genital swabs
- Rectal swab

All of the above in suitable transport medium (including LBC and HPV test containers).
Storage & transport - The swabs can be stored and transported at room temperature.

TAT - 2 weeks

References

- 1) Haldar, et al. "Surveillance model for STIs in India" Indian Journal of Public Health 2015; Vol. 59, Issue 4
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- 3) Centers for Disease Control and Prevention. Sexually Transmitted Disease Surveillance 2015. Atlanta: U.S. Department of Health and Human Services; 2016.
- 4) Wagenlehner FME. et al, The Presentation, Diagnosis, and Treatment of Sexually Transmitted Infections. Deutsches Ärzteblatt International. 2016;113(1-2):11-22. doi:10.3238 / arztebl.2016.0011.

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