



COUNTY OF SAN LUIS OBISPO PUBLIC HEALTH LABORATORY

Phone: (805) 781-5507 | Fax: (805) 781-1023
www.sloPublicHealth.org/Lab

LABORATORY TEST FACT SHEET

TEST: MYCOPLASMA GENITALIUM NAAT

ORDER CODE: 2870

TEST DESCRIPTION

Mycoplasma genitalium (M. gen) is an often-misdiagnosed sexually transmitted infection (STI), with a prevalence that appears to be higher than gonorrhea and similar to chlamydia.¹ Scientific studies have linked M. gen with infections such as cervicitis, endometritis, and pelvic inflammatory disease (PID) in females, and with urethritis and epididymitis in males. The Centers for Disease Control and Prevention (CDC) recommends screening for M. gen in cases of recurrent cervicitis in women, and for recurrent non-gonococcal urethritis in men. Testing may also be considered in females with PID.

Accurate detection of M. gen requires nucleic acid amplification test (NAAT) technology because even a very low organism load may result in infection.² The County of San Luis Obispo Public Health Laboratory performs the Aptima® *Mycoplasma genitalium* NAAT assay for detection of M. gen. This test is intended as an aid in the diagnosis of M. gen urogenital infections in male and female patients suspected of infection.

Sensitivity and Specificity

1. Sensitivity and specificity by specimen type are shown in the table below.

Sample type	Sensitivity	Specificity
Vaginal swab (clinician-collected)	92.0%	98.0%
Vaginal swab (patient-collected)	98.9%	98.5%
Endocervical swab	81.5%	98.3%
Urine (female)	77.8%	99.0%
Urethral swab (male)	98.2%	99.6%
Penile meatal swab	88.4%	97.8%
Urine (male)	90.9%	99.4%

SPECIMENS ACCEPTED FOR TESTING

- Aptima collection kits are required for each specimen type
- Urine, vaginal swab (female, self-collected or clinician-collected), endocervical swab (female), urethral swab (male), penile meatal swab (male)

Storage and Transport temperature: 2-30°C (refrigerated or room temperature)

Holding time (after transfer Aptima transport device): 60 days for swab specimens and 30 days for urine specimens.

TEST: MYCOPLASMA GENITALIUM NAAT

CPT code: 87563

REFERENCES

1. Getman D, et al. Mycoplasma genitalium prevalence, coinfection, and macrolide antibiotic resistance frequency in a multicenter clinical study cohort in the United States. J Clin Microbiol. 2016; 54(9): 2278-83.
2. Frolund M, et al. Urethritis-associated Pathogens in Urine from Men with Nongonococcal Urethritis: A Case-control Study. Acta Dermatol. 2016;96(5):689-94.