



# COUNTY OF SAN LUIS OBISPO PUBLIC HEALTH LABORATORY

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## LABORATORY TEST FACT SHEET

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**Mycoplasma genitalium amplification**

**Order code 2870**

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### TEST DESCRIPTION

*Mycoplasma genitalium* is a sexually transmitted infection that lives on and in the epithelial cells of the urinary and genital tracts of men and women. The SLO Public Health Laboratory performs a molecular amplification method for the detection of *Mycoplasma genitalium* (Mgen) by transcription mediated amplification (TMA). Studies reported have linked *M. genitalium* with urethritis and epididymitis in males, and infections such as cervicitis (often asymptomatic), endometritis, and pelvic inflammatory disease (PID) in females. Insufficient research has been conducted to conclusively identify risk factors that might guide control strategies yet, but reports show the prevalence of *M. genitalium* infection often exceeds that of *Chlamydia trachomatis*(CT), *Neisseria gonorrhoeae*(GC) or *Trichomonas vaginalis* (TV), the most common STI agents. However, the development and introduction of nucleic acid amplification tests have radically altered the approach to diagnosis and treatment of this agent.

### Sensitivity:

- 100% (J Clin Microbiol 55:3194 2017)
- No interference was observed in the presence of microorganisms tested (Hologic)

### Specificity:

- 99.4% (J Clin Microbiol 54:2201 2016)
- No cross-reactivity was observed with any organisms tested on the assay (Hologic)

### SPECIMENS ACCEPTED FOR TESTING

- **Female:** Urine specimens collected in APTIMA Urine collection tubes, Vaginal specimens collected in APTIMA Multitest Swab specimen tubes
- **Male:** Urine specimens collected in APTIMA Urine collection tubes
- If multiple tests are ordered for urine testing, please collect and submit a second APTIMA Urine collection tube
- **Throat and rectal specimens are NOT currently approved**

**Storage and Transport Temperature:** room temperature

### Holding Time

- 60 days at room temperature after collection for Multitest Swab Vaginal specimen
- 30 days for urine specimens
- If longer storage is needed, urine specimens and swab specimens in the transport tubes can be store at -20° C or -70° C for up to an additional 90 days

**CPT 87798**