



COUNTY OF SAN LUIS OBISPO PUBLIC HEALTH LABORATORY

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www.sloPublicHealth.org/Lab

LABORATORY TEST FACT SHEET

TEST: CHLAMYDIA/GONORRHEA NAAT

ORDER CODES: 2900, 2910

TEST DESCRIPTION

The County of San Luis Obispo Public Health Laboratory performs a nucleic acid amplification test (NAAT) for the detection of ***Chlamydia trachomatis*** and ***Neisseria gonorrhoeae*** using a real-time polymerase chain reaction assay (cobas® CT/NG assay, Roche Molecular Systems, Inc). The cobas® CT/NG method is intended as an aid in the diagnosis of chlamydial and gonococcal disease in both symptomatic and asymptomatic individuals.

Sensitivity and Specificity

- The cobas® CT/NG test has ≥95% sensitivity for detecting:
 - Chlamydia trachomatis* at concentrations between 2–40 elementary bodies/mL
 - Neisseria gonorrhoeae* at concentrations between 0.08–0.4 colony forming units/mL
- Sensitivity and specificity by sample type are shown in the table below.

Sample type	Sensitivity	Specificity
Chlamydia trachomatis		
Urine (female)	95.6%	99.7%
Vaginal swab (female, self-collected)	99.2%	99.0%
Endocervical swab (female)	93.3%	99.4%
Urine (male)	100%	99.7%
Anorectal swab	95.1%	99.2%
Oropharyngeal swab	100%	99.8%
Neisseria gonorrhoeae		
Urine (female)	94.8%	99.9%
Vaginal swab (female, self-collected)	100%	99.7%
Endocervical swab (female)	97.0%	99.9%
Urine (male)	100%	99.5%
Anorectal swab	99.0%	100%
Oropharyngeal swab	100%	98.9%

SPECIMENS ACCEPTED FOR TESTING

- Urine, vaginal swabs (female, self-collected or clinician-collected), endocervical swabs (female), anorectal swabs, oropharyngeal swabs
- cobas® collection kits are required for each specimen type

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

Holding time: Up to 12 months once transferred into cobas® PCR Media

CPT codes: 87491, 87591