



## STD3

### STD3 Panel by PCR - Qualitative (CT/NG and *Trichomonas vaginalis*)

<b>GA Test Code</b>	<b>301</b>	
<b>Method</b>	Real-Time Polymerase Chain Reaction (rPCR) – Qualitative	
<b>Specimens</b>	<b>ThinPrep:</b> 4.0 mL (2.0 mL), store and ship ambient (up to 3 months). <b>SurePath:</b> 2.0 mL (1.0 mL), store and ship ambient (14 days). <b>G Swab®:</b> G Swab kits are provided by GA. Collect cervical, vaginal or urethral specimen with swab and place in tube with liquid media. Break-off swab (pre-scored) and seal tube for transport. Sample is stable for 30 days at room temperature (15-30°C). <b>G Swab® - Urine:</b> G Swab kits include a urine collection pipette. Use pipette to add 1.0 mL <b>only</b> of first catch urine to red fill line on media tube. Sample is stable for 30 days at room temperature (15-30°C).  <i>Note:</i> The presence of blood, mucus, some spermicidal agents, feminine powder sprays, and treatments for vaginal conditions such as yeast infection may interfere with nucleic acid test based assays.	
<b>Causes for Rejection</b>	Quantity not sufficient (QNS) for analysis; time and/or temperature instructions not followed.	
<b>Reference Range</b>	<i>Chlamydia trachomatis</i>	Not Detected
	<i>Neisseria gonorrhoeae</i>	Not Detected
	<i>Trichomonas vaginalis</i>	Not Detected
<b>Turnaround Time</b>	24-48 hours	
<b>CPT Code</b>	<i>Chlamydia trachomatis</i>	87491
	<i>Neisseria gonorrhoeae</i>	87591
	<i>Trichomonas vaginalis</i>	87661

#### **Description**

This assay involves the simultaneous and multiplex amplification and detection of *Chlamydia trachomatis*, *Neisseria gonorrhoeae*, and *Trichomonas vaginalis* DNA by real-time polymerase chain reaction (rPCR).

#### **Clinical Utility**

A positive PCR result for any 1 of the specific targets indicates the presence of the respective organism in the specimen. A negative result indicates the absence of detectable DNA in the specimen, but does not rule out infection with these or other enteric pathogens. False-negative results may occur due to inhibition of PCR (known inhibition rate of <1%).

Sexually transmitted diseases treatment guidelines, 2010. *MMWR*, December 17, 2010/Vol. 59/No. RR-12, 44-55.

<http://www.cdc.gov/std/trichomonas/STDFact-Trichomoniasis.htm>.

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