

May 2011

## ***Chlamydia trachomatis* and *Neisseria gonorrhoeae*** **- Sensitivity and Specificity of the GEN-PROBE APTIMA<sup>®</sup> Assay**

To Health Care Providers:

The sensitivity and specificity for the GEN-PROBE<sup>®</sup> APTIMA<sup>®</sup> Assay *Chlamydia trachomatis* and *Neisseria gonorrhoeae* amplified DNA Assay vs. patient infected status.

Update:

- Sensitivity and Specificity data has been removed for vaginal swabs as they are no longer accepted for CT/GC NAA testing at the OAHPP – Public Health Laboratories. Please refer to *Chlamydia trachomatis* and *Neisseria gonorrhoeae* – Specimen Collection Guidelines (LAB-SD-004-003)

**Table 1: Comparison of GEN-PROBE<sup>®</sup> APTIMA<sup>®</sup> Assay vs. Patient Infected Status in Females**

	<i>Chlamydia trachomatis</i> <sup>1</sup>		<i>Neisseria gonorrhoeae</i> <sup>2</sup>	
	Sensitivity	Specificity	Sensitivity	Specificity
Endocervical Swab	98.3 %	96.1 %	97.3 %	99.0 %
Urine	94.3 %	98.0 %	92.0 %	99.8 %

**Table 2: Comparison of GEN-PROBE<sup>®</sup> APTIMA<sup>®</sup> Assay vs. Patient Infected Status in Males**

	<i>Chlamydia trachomatis</i> <sup>1</sup>		<i>Neisseria gonorrhoeae</i> <sup>2</sup>	
	Sensitivity	Specificity	Sensitivity	Specificity
Urethral Swab	97.8 %	96.1 %	99.4 %	97.5 %
Urine	96.0 %	97.2 %	98.9 %	99.2 %

<sup>1</sup>GEN-PROBE<sup>®</sup> APTIMA<sup>®</sup> Assay for *Chlamydia trachomatis* (package insert). San Diego, CA Gen-Probe Incorporated; 2004.

<sup>2</sup>GEN-PROBE<sup>®</sup> APTIMA<sup>®</sup> Assay for *Neisseria gonorrhoeae* (package insert). San Diego, CA Gen-Probe Incorporated; 2004.

### **For Further Information:**

- OAHPP Customer Service Centre toll free at **1-877-604-4567** or **416-235-6556**.
- For the OAHPP Specimen Collection Guide and previous Labstracts, refer to <http://www.oahpp.ca/publichealthlaboratories.php>