



## STD3 Panel: Chlamydia + Gonorrhea + Trichomonas

- \* The CDC now recommends screening all *at-risk* sexually active women for **Trich**, in addition to **CT** and **NG**.
- \* Every year, 7.4 million new cases of **Trich** occur in women and men, making it more prevalent than **CT** and **NG** combined.<sup>1</sup>
- \* In a study of 7593 women screened for these 3 STDs, the overall prevalence of each was: **Trich** (8.7%), **CT** (6.7%), **NG** (1.7%).<sup>2</sup>

### **Trich** *Trichomonas vaginalis* by real-time PCR

- ▶ About **70%** of infected people do not have any signs or symptoms, and distinctive signs are present in **less than 10%** of women with infections
- ▶ Considered the most common curable STD
- ▶ Prevalence of Trich increases with age and is most common in women ages **35-45**.

#### Why **PCR**?

- ▶ Trich is **very frequently undiagnosed** by standard testing methodology
  - Pap smears *miss 3 out of 4* infections
  - Wet mount sensitivity is *less than 60%*<sup>3</sup>

#### Untreated TV can lead to **severe, life-long consequences**:

- ▶ Increased risk for HIV infection and other STDs
- ▶ Pelvic Inflammatory Disease (PID), leading to Infertility
- ▶ **Pregnant** women: Preterm delivery, low birth weight, neonatal transmission

### **CT/NG** *Chlamydia trachomatis & Neisseria gonorrhoeae* by real-time PCR

- ▶ Annual CT/NG screening is recommended:
  - for all sexually active women age 25 years and younger.
  - for older women with risk factors (a new sex partner or multiple sex partners).
  - for all pregnant women.

<sup>1</sup> CDC. Trichomoniasis fact sheet. Available at: <http://cdc.gov/std/trichomonas/STDFact-Trichomoniasis.htm>.

<sup>2</sup> Ginocchio CC, Chapin K, Smith JS et al. Prevalence of *Trichomonas vaginalis* and co-infection with *Chlamydia trachomatis* and *Neisseria gonorrhoeae* in the USA as determined by the APTIMA *Trichomonas vaginalis* nucleic amplification assay. *J Clin Microbiol.* 2012 May 23.

<sup>3</sup> ACOG. Vaginitis. ACOG Practice Bulletin No. 72. *Obstet Gynecol.* 2006; 107:1195-1206.

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