



Solana[®]

Trichomonas ASSAY

Stop compromising. Start treating.

Traditional methods for diagnosing Trichomonas require tradeoffs between cost and accuracy. Wet mount may be rapid and inexpensive, but it lacks in sensitivity (51% to 65%).¹ Similarly, rapid antigen tests are fast and easy, but are not as sensitive as their molecular counterparts.² The CDC recommends testing for Trichomonas using highly sensitive Nucleic Acid Amplification Tests, like Solana, to avoid underdiagnosing and undertreating the disease.

Prompt initiation of patient management and antimicrobial therapy

- Results in just 30 minutes means you can help your patients get accurate, same-day treatment
- High volume throughput keeps pace with your busy laboratory

True, Molecular Accuracy

- Confidence in your diagnosis
- More sensitive than wet mount, rapids, and culture

Ease and Affordability

- Clinician collected vaginal swab and female urine samples
- Objective results
- Simple procedure
- Competitive pricing and flexible instrument placement options

The Accurate. Sustainable.
Molecular **Trichomonas** Solution.

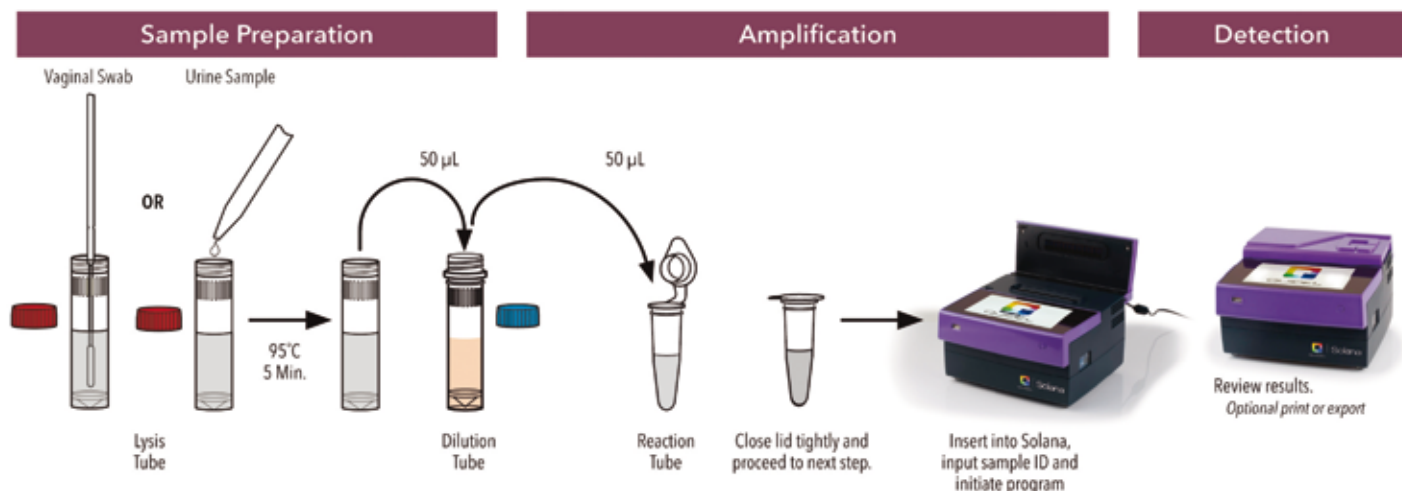
1. <http://www.cdc.gov/std/tg2015/trichomoniasis.htm>

2. Garber, GE. The laboratory diagnosis of trichomonas vaginalis. *The Canadian Journal of Infectious Diseases and Medical Microbiology*. 2015;16(1):35-38

Solana Trichomonas Assay run with the Solana bench top instrument a mere 9.4" x 9.4" x 5.9"



Procedure



Clinical Performance

Performance Characteristics of the Solana Trichomonas Assay with Clinician Collected Vaginal Swabs by Symptom Status compared to the Composite Reference Method Wet Mount and Culture

| Site Number | Symptom Status | N | TP | FP | TN | FN | Prev % | Sensitivity % (95% CI) | Specificity % (95% CI) |
|-------------|----------------|------|-----|-----|-----|----|--------|------------------------|------------------------|
| Combined | Asymptomatic | 501 | 50 | 5 | 446 | 0 | 10.0 | 100 (92.9 to 100) | 98.9 (97.4 to 99.5) |
| | Symptomatic | 542 | 69 | 7 | 465 | 1 | 12.9 | 98.6 (92.3 to 99.7) | 98.5 (97.0 to 99.3) |
| | All | 1043 | 119 | 12* | 911 | 1* | 11.5 | 99.2 (95.4 to 99.9) | 98.7 (97.7 to 99.3) |

*Of the one thousand forty-three (1043) specimens evaluated a total of thirteen (13) specimens were discordant. Of the twelve (12) discordant (Solana Positive/Composite Reference Method Negative) specimens, four (4) were positive by an FDA-cleared *Trichomonas vaginalis* molecular assay. The one (1) discordant (Negative Solana/Composite Reference Method Positive) specimen, it was negative by an FDA-cleared *Trichomonas vaginalis* molecular assay.

Performance Characteristics of the Solana Trichomonas Assay with Female Urine Specimens by Symptom Status compared to the Composite Reference Method

| Site Number | Symptom Status | N | TP | FP | TN | FN | Prev % | Sensitivity % (95% CI) | Specificity % (95% CI) |
|-------------|----------------|------|-----|----|-----|----|--------|------------------------|------------------------|
| Combined | Asymptomatic | 501 | 49 | 7 | 444 | 1 | 10.0 | 98.0 (89.5 to 99.6) | 98.4 (96.8 to 99.2) |
| | Symptomatic | 543 | 65 | 10 | 463 | 5 | 12.9 | 92.9 (84.3 to 96.9) | 97.9 (96.2 to 98.8) |
| | All | 1044 | 114 | 17 | 907 | 6 | 11.5 | 95.0 (89.5 to 97.7) | 98.2 (97.1 to 98.8) |