# TEST REPORT
## Women's Infection Pathogen Profile
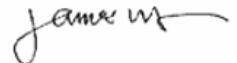
| PATIENT/ID | PHYSICIAN | SPECIMEN |
|---|---|---|
| **Patient:** Jane Doe | Dr. Susan Ray | **Date Collected:** 10/5/2025 |
| **DOB:** 10/13/1985 | Obstetrics & Gynecology | **Date Received:** 10/06/2025 |
| **Sex:** Female | | **Sample Type:** Vaginal Swab |
| **Test ID:** XG-999111   **Barcode:** 100001 | | **Date Reported:** 11/15/2025 |

## TEST SUMMARY

| | | |
|---|---|---|
| STIs | **+** Detected | |
| BV associate pathogens | **+** Detected | *BV Positive* |
| Aerobic vaginitis associate pathogens | **+** Detected | |
| Group B strep | Not Detected | |
| Candidiasis | Not Detected | |
| Vaginal Flora | Normal | |

*This Comprehensive Pathogen Panel is the result of molecular assays and algorithms for the determination of Bacterial Vaginosis (BV) and Aerobic Vaginitis (AV). The BV and AV assay incorporates results from multiple pathogenic organisms.

**Processed By:** *[signature]*          **Approved By:** *[signature]*

**Methods:** This specimen was analyzed by real-time PCR method developed by Thermo Fisher Scientific. The assay was validated by X-Gene Laboratory following the CLIA standards.

**Limitation:** The "Detected" result(s) will indicate the existence of target pathogen(s), the test is qualitative assay and the growth level of pathogen represents a relative amount of pathogen in a specimen. The "Not Detected" result indicate the listed pathogens are not detected by this test due to the amount of target pathogen in the specimen is below the detection limit. The "Not Detected" results does not exclude pathogens that not listed in this test panel.

**Disclaimer:** The FDA has neither cleared nor approved the assay, nor is FDA pre-market review required. The test is provided as LDT test by laboratory under CLIA regulation that (1) maintains its good standing as a clinical testing laboratory with all mandatory accrediting bodies, and (2) continually demonstrates that its testing protocols and procedures achieve a high degree of analytical accuracy. For further assistance with interpretation of these results, please contact X-Gene Diagnostic's Clinical Support at support@xgenediagnostics.com.

| *Pathogen Level:* The numerical score is converted from PCR results and categorized as follows: | | | | **\*PID:** Pelvic inflammatory disease |
|---|---|---|---|---|
| | **Low** | **Moderate** | **High** | **BV:** Bacterial vaginosis |
| | 0.1–4.9 | 5–9.9 | 10–25 | |

## TEST RESULTS

| Pathogen | Results | Pathogen level | 0.1 (low) -25 (high) | Description |
|---|---|---|---|---|
| **STIs** | | | | |
| *Neisseria gonorrhoeae* | Not detected | | | |
| *Chlamydia trachomatis* | Not detected | | | |
| *Trichomonas vaginalis* | Not detected | | | |
| *Mycoplasma hominis* | Not detected | | | |
| *Mycoplasma genitalium* | **+** Detected | 7.7 | *Moderate* | *May cause PID* |
| *Haemophilus ducreyi* | Not detected | | | |
| *Treponema pallidum* | Not detected | | | |
| **Bacteria** | | | | |
| *Atopobium vaginae* | **+** Detected | 2.4 | *Low* | *May cause preterm delivery or PID* |
| *BVAB2* | Not detected | | | |
| *Enterococcus faecalis* | Not detected | | | |
| *Gardnerella vaginalis* | **+** Detected | 3.5 | *Low* | *Increase the risk of PID or UTI* |
| *Megasphaera 1* | Not detected | | | |
| *Megasphaera 2* | **+** Detected | 17.8 | *High* | *Key indicator of BV\** |
| *Mobiluncus mulieris* | Not detected | | | |
| *Prevotella bivia* | Not detected | | | |
| *Strep B/ S. agalactiae* | Not detected | | | |
| *Ureaplasma urealyticum* | **+** Detected | 3.3 | *Low* | *Cause aerobic vaginitis* |
| **Candida** | | | | |
| *Candida albicans* | Not detected | | | |
| *Candida auris* | Not detected | | | |
| *Candida tropicalis* | Not detected | | | |
| *Candida krusei* | Not detected | | | |
| *Candida glabrata* | Not detected | | | |
| **Virus (STI related)** | | | | |
| *HSV-1* | **+** Detected | 15 | *High* | |
| *HSV-2* | Not detected | | | |
| **Vaginal flora** | | | | |
| *Lactobacillus crispatus* | | | | |
| *Lactobacillus iners* | | | | |
| *Lactobacillus jensenii* | | | | |
| *Lactobacillus gasseri* | **+** Detected | 17.3 | *Normal* | |
| **Test Control** | | | | |
| *Sample integrity control* | Sample quality pass | | | |