



TEST REPORT

Women's Infection Pathogen Profile



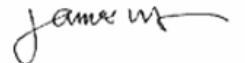
X-Gene Diagnostics 34 Loveton Cir, Ste 210 Sparks Glencoe MD 21152 Phone: 301.360.3537 Fax: 240.312.2097 CLIA #: 21D2093389 Laboratory Director: Laurance Ferreri, Ph.D.

PATIENT/ID	PHYSICIAN	SPECIMEN
Patient: John Smith	Dr. Michael Chen	Date Collected: 10/3/2025
DOB: 5/22/1991	General Practice	Date Received: 10/04/2025
Sex: Male		Sample Type: Vaginal Swab
Test ID: XG-987655 Barcode: 100002		Date Reported: 10/14/2025

TEST SUMMARY

STIs	+	Detected
BV associate pathogens	+	Detected <i>BV Positive</i>
Aerobic vaginitis associate pathogens	+	Detected
Group B strep		Not Detected
Candidiasis		Not Detected
Vaginal Flora		Reduced

*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: 

Approved By: 

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:

Low	Moderate	High
0.1–4.9	5–9.9	10–25

*PID: Pelvic inflammatory disease

BV: Bacterial vaginosis

TEST RESULTS

Pathogen	Results	Pathogen level	0.1 (low) -25 (high)	Description
STIs				
<i>Neisseria gonorrhoeae</i>	Not detected			
<i>Chlamydia trachomatis</i>	Not detected			
<i>Trichomonas vaginalis</i>	Not detected			
<i>Mycoplasma hominis</i>	Not detected			
<i>Mycoplasma genitalium</i>	+ Detected	6.7	Moderate	May cause PID
<i>Haemophilus ducreyi</i>	Not detected			
<i>Treponema pallidum</i>	Not detected			
Bacteria				
<i>Atopobium vaginae</i>	Not detected			
<i>BVAB2</i>	Not detected			
<i>Enterococcus faecalis</i>	+ Detected	12.8	High	Cause aerobic vaginitis
<i>Gardnerella vaginalis</i>	+ Detected	1.9	Low	Increase the risk of PID or UTI
<i>Megasphaera 1</i>	Not detected			
<i>Megasphaera 2</i>	Not detected			
<i>Mobiluncus mulieris</i>	Not detected			
<i>Prevotella bivia</i>	Not detected			
<i>Strep B/ S. agalactiae</i>	Not detected			
<i>Ureaplasma urealyticum</i>	+ Detected	2.4	Low	Cause aerobic vaginitis
Candida				
<i>Candida albicans</i>	Not detected			
<i>Candida auris</i>	Not detected			
<i>Candida tropicalis</i>	Not detected			
<i>Candida krusei</i>	Not detected			
<i>Candida glabrata</i>	Not detected			
Virus (STI related)				
HSV-1	Not detected			
HSV-2	Not detected			
Vaginal flora				
<i>Lactobacillus crispatus</i>				
<i>Lactobacillus iners</i>				
<i>Lactobacillus jensenii</i>				
<i>Lactobacillus gasseri</i>	+ Detected	8	Reduced	
Test Control				
Sample integrity control	Sample quality pass			