

# Available Exclusively From



## Expanded Bacterial Vaginosis (BV) Testing

MDL has expanded the Bacterial Vaginosis (BV) Panel with Lactobacillus Profiling by qPCR test to allow for a more sensitive and specific determination of BV status, especially when considering the variation among patient vaginal microbial composition and the complex interactions that occur leading to dysbiosis. As BV can be a polymicrobial infectious process involving species that differ among patients with overlapping symptoms with other vaginal disorders, it is critical for an accurate diagnosis to include a comprehensive selection of "pathogenic" bacteria when testing for BV. It also is important to include the detection of Lactobacilli that support vaginal health, whether naturally occurring or introduced by probiotic use, as well as any bacteria that more accurately indicate the transition between a healthy, stable vaginal flora and BV flora.

Test 759 Bacterial Vaginosis (BV) Panel with Lactobacillus Profiling by qPCR Includes

- *Fannyhessea vaginae* (*Atopobium vaginae*)
- Bacterial Vaginosis Associated Bacteria 1 (BVAB1)
- Bacterial Vaginosis Associated Bacteria 2 (BVAB2)
- Bacterial Vaginosis Associated Bacteria 3 (BVAB3)
- *Bacteroides fragilis*
- *Bifidobacterium breve*
- *Gardnerella vaginalis*
- *Megasphaera* type 1
- *Megasphaera* type 2
- *Mobiluncus curtisii*
- *Mobiluncus mulieris*
- *Prevotella bivia*
- *Sneathia sanguinegens*
- *Streptococcus anginosus*
- *Lactobacillus crispatus*
- *Lactobacillus gasseri*
- *Lactobacillus jensenii*
- *Lactobacillus iners*
- *Lactobacillus acidophilus*

### Advantages:

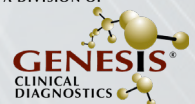
- **Includes 14 BV-associated organisms with Lactobacillus Profiling**
- Improved sensitivity and specificity to better correlate symptom presentations with BV status
- Improved resolution and definition of transitional BV.
- MDL's BV Panel accounts for more than 99% of BV infections.
- *F. vaginae* (*A. vaginae*) is frequently co-existent with *Gardnerella*, and both can be resistant to metronidazole.
- *F. vaginae* (*A. vaginae*), *Megasphaera* and BVAB2 cannot be detected under the microscope.
- Accurate vaginal microbiome assessment with Lactobacillus profiling at no additional charge.
- Lactobacillus profiling indicates the concentration of pathogenic bacteria relative to lactobacillus, enabling tailored treatment decisions based on the pathogen and infection severity.
- Includes *Lactobacillus acidophilus*, a common probiotic bacteria used to treat BV and establish a healthy vaginal microenvironment.

### References:

1. **Diagnosis of Vaginitis** 2022, October 31. "Diagnosis of Vaginitis". [https://www.aetna.com/cpb/medical/data/600\\_699/0643.html](https://www.aetna.com/cpb/medical/data/600_699/0643.html)
2. **Workowski KA, Bachmann LH, Chan PA, et al.** 2021, July 23. "Sexually Transmitted Infections Treatment Guidelines, 2021". <https://www.cdc.gov/mmwr/volumes/70/rr/rr7004a1.htm>



A DIVISION OF



A MEMBER OF GENESIS BIOTECHNOLOGY GROUP

Medical Diagnostic Laboratories  
[www.mdlab.com](http://www.mdlab.com) • 877.269.0090

IH0283 Rel.: 4.2025

**Medical Diagnostic Laboratories L.L.C.**2439 Kuser Road  
Hamilton, NJ 08690**Toll Free:** 877-269-0090  
**Fax:** 609-570-1050[www.mdlab.com](http://www.mdlab.com)**PATIENT**

MDL #

**10100864****DOE, JANE****FINAL**2439 KUSER RD  
TRENTON, NJ 08690**DOB:** 01/01/1985 (Age 39)

25

**Gender:** Female**Ethnicity:** Hispanic or Latino**Patient ID:** 78452PP**SPECIMEN**

Type	Source	Collected	Received	Reported
Swab	Vaginal	04/02/2024	04/03/2024	N/A

**CLIENT****NPI:** 2121212121**JOHN DOE MD****Tel:** (244) 144-4233**JOHN DOE, MD****Fax:** 452-333-4444

HOUSTON, USA

TEST

HOUSTON, GU 23890

**759 Bacterial Vaginosis Panel (with Lactobacillus Profiling) by QPCR****Indicative of Abnormal microflora.**

Suggestive of Bacterial Vaginosis.



Bacteria Detected	Indicator	Abundance
142 <i>Atopobium vaginae</i>	BV	90.00%
179 <i>Lactobacillus iners</i>	Transitional	10.00%

**REPORT HISTORY**See Bacterial Vaginosis/ Aerobic Vaginitis Trend Report for  
prior Dates of Service

10/30/2023      02/21/2024      04/03/2024

**Pathogens Not Detected**

125 <i>Bacteroides fragilis</i> *	765 BVAB3 *	754 <i>Mobiluncus mulieris</i> *
750 <i>Bifidobacterium breve</i> *	132 <i>Gardnerella vaginalis</i> *	752 <i>Prevotella bivia</i> *
764 BVAB1 *	165 <i>Megasphaera species</i>	749 <i>Sneathia sanguinegens</i> *
164 BVAB2 *	(Type1,Type2) *	748 <i>Streptococcus anginosus</i> *
	753 <i>Mobiluncus curtisii</i> *	

\*This test was developed and its performance characteristics determined by the laboratory. It has not been cleared or approved by the U.S. Food and Drug Administration. The FDA has determined that such clearance or approval is not necessary.

A positive result is provided for bacteria, virus, parasites, and/or fungal species when PCR amplification (real-time PCR), sequence information (Pyrosequencing), and/or sequencing analysis occurs above cut-off levels established by the laboratory. Pertinent reference intervals for the tests reported above are available from the laboratory upon request.

Medical Director, Jing-Jing Yang, M.D.

MDL#: **10100864**

04/03/2024