

## What is Molecular Microbiology?

Molecular microbiology identifies microorganisms including bacteria, fungi, and viruses through DNA detection. This technique is very sensitive and rapid compared to traditional microbiology procedures, creating a powerful diagnostic tool for physicians.

Our profile delivers a snapshot of a patient's vaginal micro-environment covering 34 organisms. Trained scientists utilize cutting-edge technology to quantify pathogenic and non-pathogenic bacterial species, as well as detection of other disease associated organisms within the vaginal microbiome. This information is processed in a proprietary algorithm to provide physicians with a differential diagnosis and suggested course of treatment, allowing them to ***Prescribe with Confidence***.

Our **MDx Advantage** Women's Health Profile plus STI features:

- Rapid turnaround time compared to tradition microbiology techniques
- Differential diagnosis to guide treatment options
- Easy to read reports delivered via EMR integration, web portal, or fax



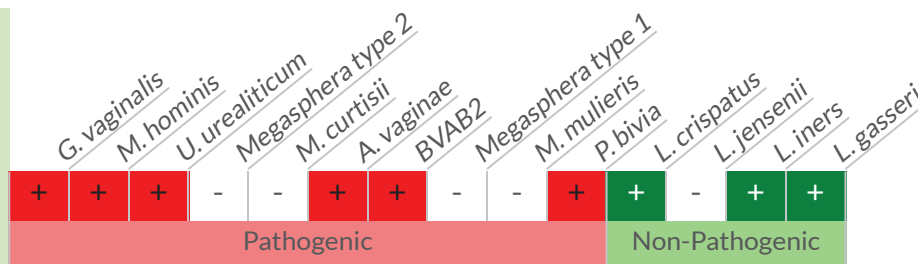
## Test: Bacterial Vaginosis Molecular Assay

### Results:

Pathogenic Bacteria Detected

### Diagnosis:

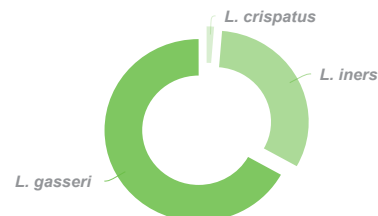
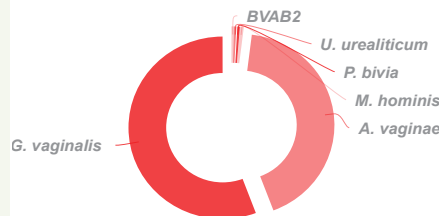
Positive for Bacterial Vaginosis



### Interpretation:

The pattern of pathogenic and normal bacterial flora suggests bacterial vaginosis.

### Relative Bacteria Quantities:



**MDx Advantage** Sample Report

**PrimaHealth**, in collaboration with Laboratory industry leaders, provides access to Womens Health Testing.

# MDx Advantage

## Women's Health Profile

### MDx Advantage® Women's Health Profile Plus STI

(Comprehensive testing of vaginal microflora)

#### MDx Advantage® Women's Health Profile

##### Bacterial Vaginosis Profile

<i>Gardnerella vaginalis</i>	<i>BVAB2</i>
<i>Atopobium vaginae</i>	<i>Prevotella bivia</i>
<i>Megasphaera 1</i>	<i>Bacteroides fragilis</i>
<i>Megasphaera 2</i>	<i>Lactobacillus gasseri</i>
<i>Mycoplasma hominis</i>	<i>Lactobacillus iners</i>
<i>Ureaplasma urealyticum</i>	<i>Lactobacillus crispatus</i>
<i>Mobiluncus curtisii</i>	<i>Lactobacillus jensenii</i>
<i>Mobiluncus mulieris</i>	

##### Candidiasis Profile

*Candida albicans*  
*Candida tropicalis*  
*Candida glabrata*  
*Candida lusitanae*  
*Candida dubliniensis*  
*Candida parapsilosis*  
*Candida krusei*

##### Aerobic Vaginitis Profile

*Streptococcus agalactiae*  
*Staphylococcus aureus*  
*Enterococcus faecalis*  
*Escherichia coli*  
  
***Trichomonas vaginalis***

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##### Group B Strep Profile

*Streptococcus agalactiae*  
*Staphylococcus aureus*

##### MDx Advantage® STI Profile

<i>Chlamydia trachomatis</i>	<i>HSV-1</i>
<i>Neisseria gonorrhoeae</i>	<i>HSV-2</i>
<i>Treponema pallidum</i>	<i>Mycoplasma genitalium</i>
<i>Trichomonas vaginalis</i>	<i>Haemophilus ducreyi</i>

**Assay Validation Information:** Aeon's MDx Advantage® Women's Health Profile assays went through rigorous analytical and clinical validation processes. Our assays have 100% accuracy for target identification along with greater than 99% target specificity. Furthermore, we can detect organisms with as little as 10 copies of target DNA in a patient sample.