

# Vaginal Microbiome

## **Testing Profile**

Listen to your intimate health



Decode your vaginal microbiome, uncover imbalances, and empower yourself with science-backed solutions for better wellness.

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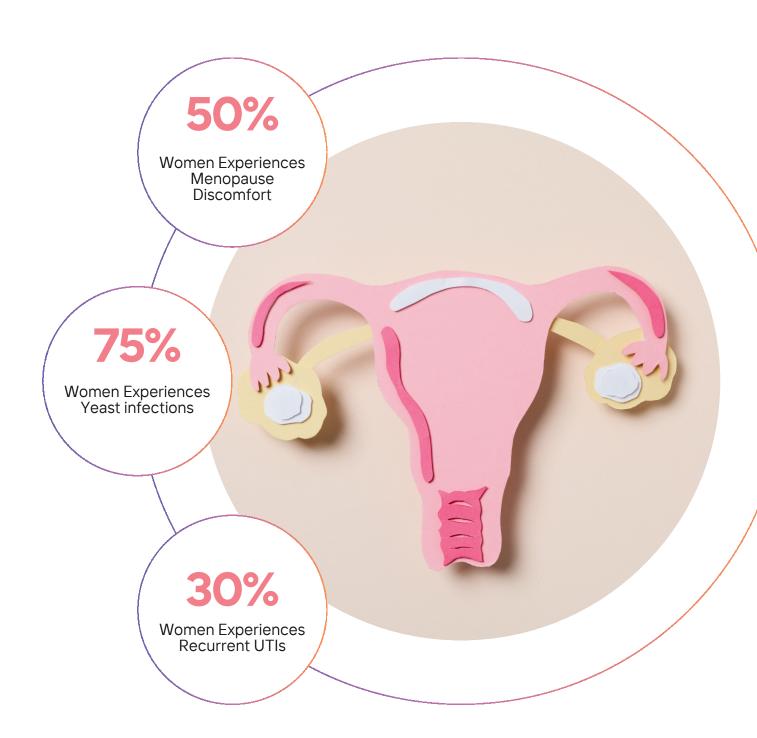
## Balancing Intimate Health Naturally

Your vaginal microbiome is a delicate ecosystem that protects against infections, supports reproductive health, and adapts through different life stages.

At Biomend Life Sciences, we use advanced DNA sequencing to analyze your vaginal microbiome, providing clear, personalized insights. Whether you're facing recurrent infections, planning for pregnancy, or navigating menopause, this test helps you take control of your intimate health.

## Why Vaginal Microbiome Testing Is Essential

Vaginal microbiome testing is essential because silent microbial imbalances can lead to infections, fertility issues, pregnancy risks, and menopausal discomfort—early detection helps restore balance and protect women's health. By understanding your microbiome, you and your doctor can take proactive steps to restore balance and prevent future complications.



## Conditions Linked to Vaginal Microbiome Dysbiosis

**Bacterial Vaginosis (BV)** 

Gardnerella vaginalis, Atopobium vaginae, Prevotella spp., Mobiluncus spp.

**Vulvovaginal Candidiasis** 

Candida albicans, Candida glabrata, Candida tropicalis

**Urinary Tract Infections** 

Escherichia coli, Enterococcus faecalis, Klebsiella pneumoniae

**STI Susceptibility** 

Imbalance increasing risk of HIV, HPV, HSV-2 infections

**Pregnancy Complications** 

Preterm birth risk associated with *Gardnerella*, *Ureaplasma parvum*, *Mycoplasma hominis* 

**Fertility Issues** 

Poor implantation linked to *Gardnerella*, *Atopobium*, and low *Lactobacillus* 

**Pelvic Inflammatory Disease** 

Neisseria gonorrhoeae, Chlamydia trachomatis, Mycoplasma genitalium

**Menopausal Vaginal Discomfort** 

Reduced *Lactobacillus crispatus, Lactobacillus jensenii* with overgrowth of *Streptococcus, Enterococcus* 

## Struggling with Vaginal Health Issues?

We've Got Science-Backed Solutions for You

Recurrent BV

Yeast Infections

**Unusual Discharge** 

Vaginal Odor

**Pregnancy Risks** 

**Urinary Tract Infections** 

Pelvic Inflammation

Fertility Challenges

Vaginal Dryness

Menopausal Discomfort



## How we Help

Our process uses Advanced NGS Platforms to map your microbiome and guide you with clear, actionable insights. With just one simple test, you can begin a personalized wellness journey rooted in your biology.

#### Collect Your Sample Easily

Use our simple, at-home vaginal swab kit with clear instructions and prelabeled packaging—no special handling or refrigeration required.

#### Advanced DNA Sequencing

We use cutting-edge NGS technology to accurately identify bacteria and fungi in your vaginal microbiome and detect potential imbalances.

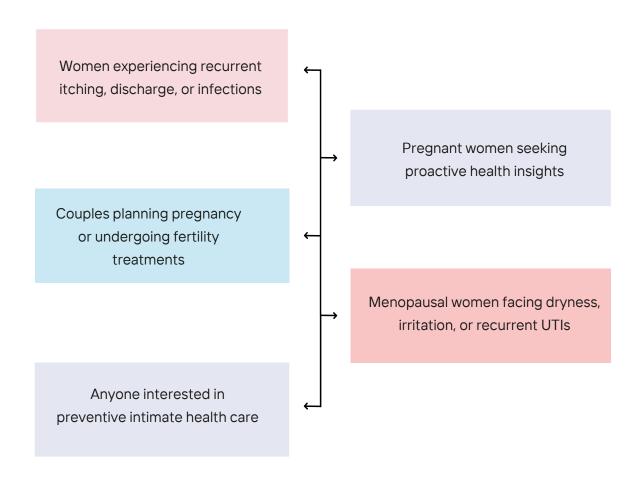
#### Personalized Digital Report

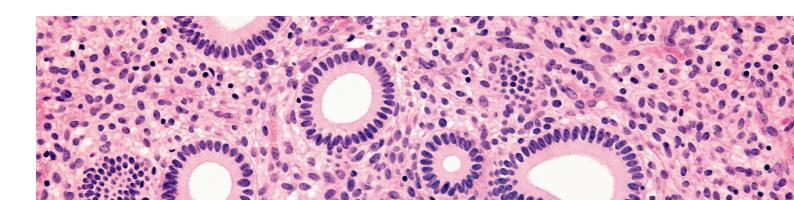
Receive a detailed, easy-to-understand report showing your microbiome health, risk indicators, and Clinically-backed recommendations for restoring balance and improving intimate wellness.



#### Who Should Get Tested?

Vaginal microbiome testing is suitable for **all women who wish to understand and maintain their intimate health.** It is especially recommended for those experiencing recurrent infections, unusual discharge, or discomfort; women planning pregnancy or undergoing fertility treatments; pregnant women aiming to reduce complications; and menopausal women managing dryness, irritation, or recurrent UTIs. Even without symptoms, proactive testing can help detect silent microbial imbalances early, empowering you and your doctor to take preventive steps for long-term intimate health and overall well-being.





## Why Choose Us?

Unlike basic 16S rDNA-based tests that detect only bacteria and archaea — and typically provide genus-level resolution — our platform uses *Advanced Metagenome Next-generation Sequencing*. This enables comprehensive identification of bacteria, fungi, viruses, and other microbes in your sample, with species- and strain-level precision.





## Start with Your Intimate Health Start Today.

#### Menopause and the vaginal microbiome

Alicia L. Muhleisen <sup>a b</sup>, Melissa M. Herbst-Kralovetz <sup>b</sup> ○ ⊠

Review

Microbial Pathogens Linked to Vaginal Microbiome Dysbiosis and Therapeutic Tools for Their Treatment

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Vaginal dysbiosis and the potential of vaginal microbiomedirected therapeutics

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#### Vaginal dysbiosis and infectious causes of gynecological inflammation

In a healthy vagina, the vaginal microenvironment harbors immune cells, such as natural killer cells, macrophages, and dendritic cells, abundance of which increases during inflammation (Monin et al., 2020; Anahtar et al., 2015). Lactobacilli are crucial for maintaining the vaginal mucosal layer's integrity as a physical defense against pathogens. However, vaginal dysbiosis occurs depending on both biological and behavioral factors. Sexual activity may be a primary cause of some of these infections. However, even sexually inactive individuals can experience dysbiosis in their lifetime due to the use of antibiotics, immunosuppression, low estrogen levels, or unsuitable hygiene habits (Figure 1). Vaginal dysbiosis is generally characterized by a long-term high-diversity state, where non-lactobacilli members of the vaginal community flourish. In a dysbiotic vaginal microbiome, increased microbial diversity, along with a decrease in beneficial lactobacilli, is accompanied by immunomodulatory changes that affect the natural barrier and contribute to further alterations in the microbiome, vaginal homeostasis, and host immunity.

#### Vaginal dysbiosis and the risk of human papillomavirus and cervical cancer: systematic review and metaanalysis

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#### The Vaginal Microbiome: II. Vaginal Dysbiotic Conditions

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Ready to take control? Connect with us to book your test today.

### **Frequently Asked Questions**

#### 1. Who should take this test?

Women experiencing recurrent infections, unusual discharge, irritation, or those planning pregnancy, pregnant women, and menopausal women benefit the most from this test.

#### 2. Is the test painful or uncomfortable?

No. The test uses a simple self-swab kit that is safe, painless, and can be done at home.

#### 3. How accurate is the test?

We use advanced Next-Generation Sequencing (NGS) to detect bacteria and fungi at species-level precision, providing clinically reliable results.

#### 4. What information will I receive?

Your report shows your vaginal microbiome composition, presence of harmful or beneficial microbes, risk of infections, and tailored recommendations for restoring balance.

#### 5. Can this test diagnose infections?

No. It is not a diagnostic test but a research-based tool to help you and your doctor understand your microbiome and guide personalized care.

#### 6. How long will it take to get my results?

Typically, results are available within 7–15 working days after we receive your sample.

#### References

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### **GET IN TOUCH**

We are ready to assist you

Take the first step toward better health. We're here to support your journey and guide you with care, science, and personalized solutions.



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Your Microbiome, Your Clues — Get Tested Now!