

Quantitative Polymerase Chain Reaction - qPCR

Contact us:



We offer our clients a next generation real-time quantitative PCR based assay that identifies organisms associated with **vaginitis and bacterial vaginosis**



Open Array Format with 18(x3)
Assays and 48 Samples



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PREMIER MEDICAL LAB

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• FAST • ACCURATE • CONVENIENT • RELIABLE

We offer a next generation
Real-time qPCR

BD MAX™ Vaginal Panel



We provide:

- **Next Day** results
- **Easy Access** via web portal
- **Lab Supplies** upon request

BD MAX™ Vaginal panel

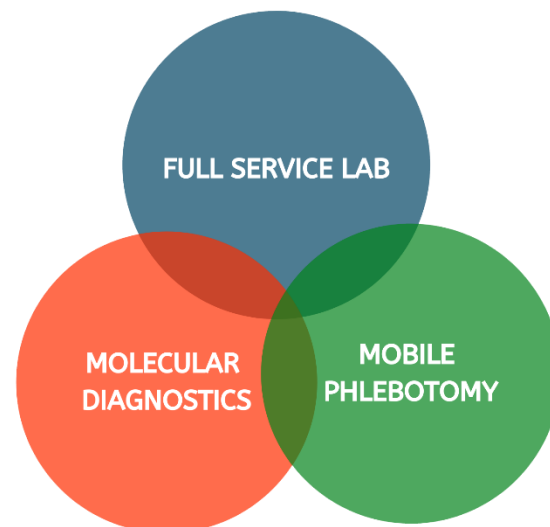
- ❖ The panel utilizes a BV algorithm that quantifies the ratio of flora specific to BV infections and **improves the sensitivity and specificity of diagnosis**, compared with methods that look for the presence or absence of specific bacteria.
- ❖ The panel provides objective positive or negative results that **do not require analysis or visual interpretation**, unlike traditional methods such as the NS, which also often reports an inactionable intermediate result.
- ❖ The panel **has strong sensitivity and specificity for Candida spp.** versus traditional culture without the long turnaround times typical of growing cultures.
- ❖ The **panel identifies and reports C. glabrata and C. krusei separately.** Because these species can be resistant to common antifungals (azoles), reporting their results separately can guide patient management and improve antifungal treatment choices. conclusion
- ❖ The panel runs on the BD MAX™ System, a fully automated platform that combines real-time **PCR** extraction, amplification, and detection. With **improved diagnosis**, patients may receive appropriate treatment sooner, while avoiding the expense and burden of unnecessary care.
- ❖ The panel uses **nucleic acid amplification technology (NAAT) for TV**, which is more accurate than traditional methods and is supported by the latest recommendations from the CDC and other guidelines.
- ❖ The panel requires **a single collection and test**, which is simpler and more efficient than a combination of multiple manual tests. This in turn can reduce the burden on clinicians and ensures better diagnostic coverage of patient symptoms.

Organisms Included in BD MAX™ Vaginal Panel

Bacterial vaginosis markers (Individual markers not reported)

- Lactobacillus spp.
(L. crispatus and L. jensenii)
- Gardnerella vaginalis
- Atopobium vaginae
- Bacterial Vaginosis Associated Bacteria-2 (BVAB-2)
- Megasphaera-1

Candida spp. (C. albicans, C. tropicalis, C. parapsilosis, C. dubliniensis) •
Candida glabrata •
Candida krusei •
Trichomonas vaginalis •



Benefits of qPCR vs Traditional Methods

- **Full report in 24-48 hours** vs up to 6 weeks in traditional methods
- **Removes "human factor"** in organism identification
- **Greater precision** in identification than qualitative detection or absolute counts of BV-related microorganisms
- **Not limited to the number of pathogens** identified per sample
- Improves **clinical outcome**
- **Clear and easy** to interpret with easy access through provided Software