

Technical Bulletin

Molecular Vaginal panel (MVP)



June 2, 2023

Starting June 27, 2023 Nebraska Methodist Hospital, Methodist Jennie Edmundson, Methodist Fremont Health, and Methodist Women's Hospital Laboratories will offer a new molecular vaginal panel (CPT code 0352U). The Xpert Xpress MVP test is intended to aid in the diagnosis of vaginal infections in women with a clinical presentation consistent with bacterial vaginosis, vulvovaginal candidiasis, or trichomoniasis. The MVP panel is significantly more sensitive than current Yeast and Trich Wet Prep (CPT 87210) and the Bacterial Vaginosis Screen by Scored Gram Stain (CPT 87205). It also includes specific yeast identification: *Candida* Group vs *Candida glabrata*, *-Candida krusei*

Order: Vaginitis Panel by PCR

Specimen Requirements: Vaginal swab using the Xpert Swab Specimen Collection kit (SWAB/G-50-US)

Reporting/Interpretive Data:

- **Bacterial Vaginosis: "POSITIVE" or "NEGATIVE"**
 - Organisms associated with BV is/are detected-(detected organisms are not reported individually)
 - *Atopobium* spp. (*Atopobium vaginae*, *Atopobium* novel species CCUG 55226)
 - Bacterial Vaginosis-Associated Bacterium 2 (BVAB2)
 - *Megasphaera-1*
- ***Candida* Group: "DETECTED" or "NOT DETECTED"**
 - *C. albicans*, *C. tropicalis*, *C. parapsilosis*, *C. dubliniensis*
 - Detected organisms are not reported individually
- ***Candida glabrata*, *-Candida krusei*: "DETECTED" or "NOT DETECTED"**
 - Antifungal resistant *Candida glabrata* and/or *Candida krusei* detected.
 - Species are not differentiated
- ***Trichomonas vaginalis*: "DETECTED" or "NOT DETECTED"**

Method: Real-time Polymerase Chain Reaction (PCR)

Performed: 24 hours a day/7 days a week. Turn around generally within 1-2 hours from receipt in the laboratory.

Performance:	<u>Sensitivity</u>	<u>Specificity</u>
BV	93.8%	93.8%
Candida Group	98.0%	94.6%
Candida glab-krus	93.6%	99.6%
TV	97.3%	99.6%

References: Cepheid Xpert® Xpress MVP Package Insert

Please direct any questions to Dr. Karre, director of microbiology at (402)354-7842 or LaNett Whisler, microbiology service leader at (402)354-4586. At Fremont, please direct questions to Jessica Fitz, microbiology coordinator at (402)727-3737.