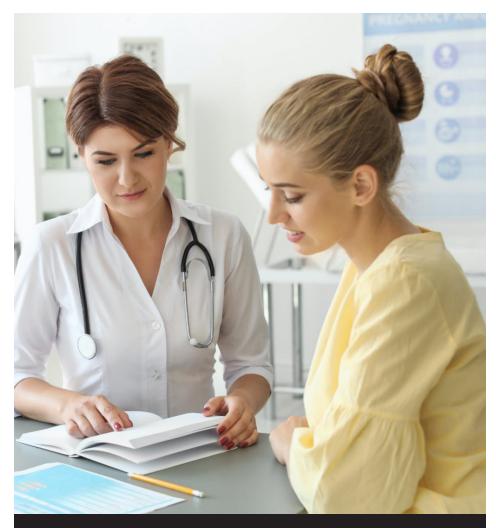
## Molecular STI

**Molecular Sexually Transmitted Infections Diagnostic Service** 

# Accurately detects all STI pathogens including antibiotic-resistant gene identification.



#### Did you know...

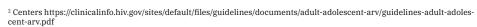
According to the DHHS, some STIs aren't curable, but their identification can help prevent transmission and help clinicians prescribe medicine to treat the symptoms.<sup>2</sup> Centers for Disease Control and Prevention shows that 1 in 5 people had a sexually transmitted infection (STI) on any given day in 2018 in the United States. According to 2018 CDC's report: 26 million new STI cases were found in 2018 alone and ~50% of these infections affected people between the ages of 15-24, at a cost of nearly \$16 billion medical cost.<sup>1</sup>

### Fast and Accurate Laboratory Testing

GenviewDX offers STI molecular diagnostics that provide the highest sensitivity and specificity:

- Accurately detects all STI pathogens (please see the STI requisition), including antibiotic-resistant gene identification such as vancomycin and methicillin-resistance.
- Shortens the time of pathogenic diagnosis and effective treatment of STIs
- Robust 24-hour turnaround time with advanced molecular genetic tests (PCR)
- Innovative molecular technology has superior sensitivity vs. microbiology-based testing.
- User-friendly reporting provides clear antibiotic guidance for effective treatment and improved patient outcomes.

<sup>&</sup>lt;sup>1</sup> Centers for disease control and prevention (https://www.cdc.gov/std/life-stages-populations/stdfact-teens.htm); https://www.cdc.gov/nchhstp/newsroom/fact-sheets/std/STI-Incidence-Prevalence-Cost-Factsheet.html; https://www.cdc.gov/std/statistics/prevalence-incidence-cost-2020.htm





## Molecular STI

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#### **PATHOGEN PANEL**

Candida auris
Candida albicans
Candida glabrata
Candida parapsilosis
Candida tropicalis
Candida lusitaniae

Candida krusei (aka Pichia kudriavzevii)

Chlamydia trachomatis Gardnerella vaginalis

Herpes simplex virus 1 probes (HSV-1)

Herpes simplex virus 2 probes (HSV-2)

Neisseria gonorrhoeae Staphylococcus aureus Trichomonas vaginalis

Treponema pallidum

Staphylococcus aureus

Streptococcus pyogenes (Group A)

Streptococcus agalactiae (Group B)

Cytomegalovirus (CMV, human herpes virus-5)

#### **ANTIBIOTIC RESISANCE GENE PANEL**

MecA blaACC MecC blaACT mefA blaCMY MIR blaFOX MOX blaGES NDM blaVIM **OXA-48** Cfr **OXA-51** CTX-M\_1 PER-1 CTX-M 2 qnrA CTX-M\_8\_25 QnrB\_1of4 CTX-M 9 QnrB\_2of4 dfrA1 QnrB\_3of4 dfrA5 QnrB\_4of4 DHA qnrS ermA SHV ErmB Sul1 ErmC Sul2 IMP-1 Tet(M) IMP-2 Tet(S) KPC vanA2 MCR-1 vanB VEB







