



## **About the Test – Molecular Microbiology Testing**

### **About Molecular Microbiology Testing**

The molecular microbiology lab utilizes advanced genetic techniques to isolate and analyze DNA from a nasopharyngeal swab for RPP, swab for wound, or clean catch urine for UTI. Qitek Labs can rapidly process respiratory (RPP), urinary tract infection (UTI), and wound samples to help physicians treat viruses, bacterial infections, and identify genetic resistance markers for treatment guidance. COVID-10 can also be tested in addition to RPP.

### **Test Menu**

#### ***Respiratory Infection (RPP) Panel***

Influenza A, Influenza B, RSV A, RSV B, HMPV A, HMPV B, Rhinovirus (types A&B), Bocavirus, Adenovirus, Parainfluenza Virus (types 1-4), Coronavirus (229E, HKU1, NL63, OC43), Enterovirus, Streptococcus Pneumoniae, Mycoplasma Pneumoniae, Moraxella Catarrhalis, Haemophilus Influenzae, Legionella Pneumophila, Bordetella Pertussis, Streptococcus Pyogenes (Group A), Chlamydophila Pneumoniae, Staphylococcus Epidermidis, Staphylococcus Aureus, Acinetobacter Baumannii, Enterobacter Aerogenes, Enterobacter Cloacae, Klebsiella Pneumoniae, Proteus Mirabilis, Pseudomonas Aeruginosa, Methicillin/Oxacillin (mecA)

#### ***Ear Infection (RPP) Panel***

Influenza A, Influenza B, RSV A, RSV B, HMPV A, HMPV B, Rhinovirus (types A&B), Bocavirus, Adenovirus, Parainfluenza Virus (types 1-4), Coronavirus (229E, HKU1, NL63, OC43), Enterovirus, Streptococcus Pneumoniae, Mycoplasma Pneumoniae, Moraxella Catarrhalis, Haemophilus Influenzae, Legionella Pneumophila, Bordetella Pertussis, Streptococcus Pyogenes (Group A), Chlamydophila Pneumoniae, Staphylococcus Epidermidis, Staphylococcus Aureus, Acinetobacter Baumannii, Enterobacter Aerogenes, Enterobacter Cloacae, Klebsiella Pneumoniae, Proteus Mirabilis, Pseudomonas Aeruginosa, Methicillin/Oxacillin (mecA)

#### ***UTI/STI***

A. baumannii, C. freundii/braakii, C. koseri, K. aerogenes, E. cloacae, B. fragilis, Enterococcus spp. (E. faecalis/E.faecium), E. coli, K. oxytoca/michiganensis, K. pneumoniae, M. morgani, P. mirabilis, P. aeruginosa, S. epidermidis, S. saprophyticus, S. aureus, MRSA, S. pyogenes (Group A), S. marcescens, Class A Beta-lactamase (CTX-M-Group 1), Class A Beta-lactamase (blaKPC), Class B metallo Beta-lactamase (blaNDM), vanA Vancomycin, vanB Vancomycin, mecA, Sulfonamides, Fluoroquinolones, Trimethoprim, C. albicans, C. parapsilosis, C. krusei, C. glabrata, C. dublinensis, C. tropicalis, P. bivia, M. genitalium, M. hominis, S. agalactiae, U. urealyticum

#### ***Wound Infection Panel***

A. baumannii, C. freundii/braakii, C. koseri, E. aerogenes, E. cloacae, B. fragilis, Enterococcus spp. (E. faecalis/E.faecium), E. coli, K. oxytoca/michiganensis, K. pneumoniae,



M. morganii, P. mirabilis, P. aeruginosa, S. epidermidis, S. saprophyticus, S. aureus, MRSA, S. pyogenes (Group A), S. marcescens, Class A Beta-lactamase (CTX-M-Group 1), Class A Beta-lactamase (blaKPC), Class B metallo Beta-lactamase (blaNDM), vanA Vancomycin, vanB Vancomycin, mecA, Sulfonamides, Fluoroquinones, Trimethoprim, C. albicans, C. parapsilosis, C. krusei, C. glabrata, C. dublinensis, C. tropicalis, S. agalactiae