



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 respiratory infections, swabs for wound infections, ear swabs for ear infections, or clean catch urine for UTI/STI. Qitek Labs can rapidly process respiratory (RPP), urinary tract infection (UTI/STI), ear infection, and wound samples to help physicians treat viruses, bacterial infections, and identify genetic resistance markers for treatment guidance..

Test Menu

Respiratory Infection (RPP) Panel

Influenza A, Influenza B, RSV A, RSV B, Rhinovirus (types A&B), Adenovirus, Coronavirus (229E, 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, Rhinovirus (types A&B), Adenovirus, Coronavirus (229E, 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. 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, Fluoroquinones, Trimethoprim, *C. albicans*, *C. parapsilosis*, *C. krusei*, *C. glabrata*, *C. dublinensis*, *C. tropicalis*, *S. agalactiae*