

Viral Respiratory

Adenovirus types 3, 4, 7, 21
 Enterovirus group
 Human bocavirus
 Human coronavirus (4 types)
 Human metapneumovirus
 Influenza A - Human influenza
 Influenza A - H1N1-09
 Influenza B
 Parainfluenza virus types 1, 2, 3, 4
 Respiratory Syncytial Virus (A & B)
 Rhinovirus

Bacterial Pneumonia

Acinetobacter baumannii
Bordetella pertussis
Chlamydomphila pneumoniae
Haemophilus influenzae
Haemophilus influenzae (type B)
Klebsiella pneumoniae
Legionella pneumophila
Moraxella catarrhalis
Mycoplasma pneumoniae
Neisseria meningitidis
Pseudomonas aeruginosa
Staphylococcus aureus
 MRSA¹
 PVL² gene
Streptococcus pneumoniae
Streptococcus pyogenes (Group A)

Atypical Pneumonia

Bordetella pertussis
Chlamydomphila pneumoniae
Legionella pneumophila
Mycoplasma pneumoniae

Influenza

Influenza A - Human influenza
 Influenza A - H1N1-09
 Influenza B
 Parainfluenza virus types 1, 2, 3, 4

FirstPlex

Enterovirus group
 Influenza A - Human influenza
 Influenza A - H1N1-09
 Influenza B
 Respiratory Syncytial Virus (A & B)
Streptococcus dysgalactiae (Group C, G)
Streptococcus pyogenes (Group A)

Respiratory Infection

Adenovirus types 3, 4, 7, 21
 Enterovirus group
 Human bocavirus
 Human coronavirus (4 types)
 Human metapneumovirus
 Influenza A - Human influenza
 Influenza A - H1N1-09
 Influenza B
 Parainfluenza virus types 1, 2, 3, 4
 Respiratory Syncytial Virus (A & B)
 Rhinovirus
Acinetobacter baumannii
Bordetella pertussis
Chlamydomphila pneumoniae
Haemophilus influenzae
Haemophilus influenzae (type B)
Klebsiella pneumoniae
Legionella pneumophila
Moraxella catarrhalis
Mycoplasma pneumoniae
Neisseria meningitidis
Pseudomonas aeruginosa
Staphylococcus aureus
 MRSA¹
 PVL² gene
Streptococcus pneumoniae
Streptococcus pyogenes (Group A)

Ear Nose & Throat

Acinetobacter baumannii
Chlamydomphila pneumoniae
Enterobacter aerogenes
Enterobacter cloacae
Haemophilus influenzae
Haemophilus influenzae (type B)
Klebsiella pneumoniae
Moraxella catarrhalis
Mycoplasma pneumoniae
Pseudomonas aeruginosa
Staphylococcus aureus
 MRSA¹
 PVL² gene
Streptococcus dysgalactiae (Group C, G)
Streptococcus pneumoniae
Streptococcus pyogenes (Group A)

Pharyngitis

Adenovirus types 3, 4, 7, 21
 Enterovirus group
 Human coronavirus (4 types)
 Influenza A - Human influenza
 Influenza A - H1N1-09
 Influenza B
 Parainfluenza virus types 1, 2, 3, 4
 Respiratory Syncytial Virus (A & B)
 Rhinovirus
Chlamydomphila pneumoniae
Mycoplasma pneumoniae
Streptococcus dysgalactiae (Group C, G)
Streptococcus pyogenes (Group A)

Pharyngitis Plus

Includes Pharyngitis Panel plus:
Arcanobacterium haemolyticum
Fusobacterium necrophorum

Upper Respiratory Infection

Adenovirus types 3, 4, 7, 21
 Enterovirus group
 Human bocavirus
 Human coronavirus (4 types)
 Human metapneumovirus
 Influenza A - Human influenza
 Influenza A - H1N1-09
 Influenza B
 Parainfluenza virus types 1, 2, 3, 4
 Respiratory Syncytial Virus (A & B)
 Rhinovirus
Bordetella pertussis
Chlamydomphila pneumoniae
Haemophilus influenzae
Haemophilus influenzae (type B)
Moraxella catarrhalis
Mycoplasma pneumoniae
Streptococcus dysgalactiae (Group C, G)
Streptococcus pneumoniae
Streptococcus pyogenes (Group A)

Pediatric Respiratory

Adenovirus types 3, 4, 7, 21
 Enterovirus group
 Human bocavirus
 Human coronavirus (4 types)
 Human metapneumovirus
 Influenza A - Human influenza
 Influenza A - H1N1-09
 Influenza B
 Parainfluenza virus types 1, 2, 3, 4
 Respiratory Syncytial Virus (A & B)
 Rhinovirus
Bordetella pertussis
Chlamydomphila pneumoniae
Haemophilus influenzae
Haemophilus influenzae (type B)
Moraxella catarrhalis
Mycoplasma pneumoniae
Streptococcus dysgalactiae (Group C, G)
Streptococcus pneumoniae
Streptococcus pyogenes (Group A)

Sexually Transmitted Disease

Atopobium vaginae
Chlamydia trachomatis
Gardnerella vaginalis
Mycoplasma genitalium
Mycoplasma hominis
Neisseria gonorrhoeae
Trichomonas vaginalis
Ureaplasma urealyticum

CT + NG + Trichomonas

Chlamydia trachomatis
Neisseria gonorrhoeae
Trichomonas vaginalis

Bacterial Vaginosis

Atopobium vaginae
Gardnerella vaginalis
Mycoplasma genitalium
Mycoplasma hominis
Ureaplasma urealyticum

Herpes Simplex Virus

Herpes Simplex Virus type 1
 Herpes Simplex Virus type 2

Candidiasis

Candida albicans
Candida glabrata
Candida krusei
Candida parapsilosis
Candida tropicalis

HPV High Risk Typing

HPV High Risk types: 16, 18, 31, 33, 35, 39, 45, 51, 52, 53, 56, 58, 59, 67, 68

Group B Streptococcus

Group B *Streptococcus*
 (*Streptococcus agalactiae*)

Infectious Disease

Acinetobacter baumannii
Citrobacter freundii
Enterobacter aerogenes
Enterobacter cloacae
Enterococcus faecalis
Enterococcus faecium
Escherichia coli
Klebsiella spp.
Morganella morganii
Proteus mirabilis
Proteus vulgaris
Pseudomonas aeruginosa
Staphylococcus aureus
 MRSA¹
 PVL² gene
Staphylococcus lugdunensis
Streptococcus pyogenes (Group A)
 + Staphylococcal resistance genes*
 + Vancomycin resistance gene

Skin and Soft Tissue Infection

Acinetobacter baumannii
Bacteroides spp.
Citrobacter freundii
Clostridium novyi/septicum
Clostridium perfringens
Enterobacter aerogenes
Enterobacter cloacae
Enterococcus faecalis
Enterococcus faecium
 Vancomycin-resistant Enterococci
Escherichia coli
Kingella kingae
Pseudomonas aeruginosa
Staphylococcus aureus
 MRSA¹
 PVL² gene
Staphylococcus lugdunensis
Streptococcus pyogenes (Group A)

Skin and Soft Tissue Infection Plus

Includes Skin and Soft Tissue Infection Panel plus:
Klebsiella spp.
Morganella morganii
Proteus mirabilis
Proteus vulgaris
 + Staphylococcal resistance genes*

Necrosis

Bacteroides spp.
Clostridium novyi/septicum
Clostridium perfringens
Kingella kingae
Staphylococcus aureus
 MRSA¹
 PVL² gene
Staphylococcus lugdunensis
Streptococcus pyogenes (Group A)

Staph. Differentiation

Staphylococcus aureus
 MRSA¹
 PVL² gene
 Coagulase-negative Staphylococci
Staphylococcus epidermidis
 MRCoNS³
 + Staphylococcal resistance genes*

Urinary Tract Infection

Acinetobacter baumannii
Citrobacter freundii
Enterobacter aerogenes
Enterobacter cloacae
Enterococcus faecalis
Enterococcus faecium
 Vancomycin-resistant Enterococci
Escherichia coli
Klebsiella spp.
Morganella morganii
Proteus mirabilis
Proteus vulgaris
Pseudomonas aeruginosa
Staphylococcus saprophyticus

Gastrointestinal

Campylobacter jejuni
Clostridium difficile (toxin B gene)
 Enterohemorrhagic *E. coli* (EHEC)
 - Shiga-like toxin gene (*stx1*)
 - Shiga-like toxin gene (*stx2*)
 Enteroinvasive *E. coli*/*Shigella* (EIEC)
 Enteropathogenic *E. coli* (EPEC)
 Enterotoxigenic *E. coli* (ETEC)
Salmonella enterica
Vibrio parahaemolyticus
 Adenovirus 40, 41
 Norovirus
 Rotavirus
Cryptosporidium parvum
Giardia lamblia

Helicobacter pylori

Helicobacter pylori
 Clarithromycin resistance determinant

*Staphylococcal Resistance Genes Conferring Resistance For: Aminoglycoside (Staphylococcal), Cephalosporin (Staphylococcal), Erythromycin/Clindamycin (Staphylococcal), Methicillin (Staphylococcal), Tetracycline (Staphylococcal)

¹ Methicillin-resistant *Staphylococcus aureus* ² Panton-Valentine leukocidin ³ Methicillin-resistant Coagulase-negative Staphylococci