

Infectious Disease Syndromic Menu

OPHTHALMOLOGY INFECTION

SAMPLE TYPE: Eye Swab, Lacrimal Fluid, Vitreous Fluid

Acinetobacter baumannii
Adenovirus HAdV-B
Aspergillus flavus, fumigatus, niger, terreus
Candida albicans, glabrata, parapsilosis, tropicalis
Candida auris
Chlamydia pneumoniae
Chlamydia trachomatis
Coronavirus (229E, NL63, OC43, and HKU1)
Enterobacter aerogenes, cloacae
Enterovirus A,B,C
Enterovirus D68
Escherichia coli
Haemophilus influenzae
Herpes simplex virus 1 & 2¹
Human metapneumovirus Influenza virus A, B
Klebsiella pneumoniae, oxytoca

Moraxella catarrhalis
Mycoplasma genitalium, hominis
Mycoplasma pneumoniae
Neisseria gonorrhoeae
Parainfluenza virus (types 1, 2, 3, 4)
Proteus mirabilis, vulgaris
Pseudomonas aeruginosa
Respiratory syncytial virus
Rhinovirus A, C
Rhizopus spp., Mucor spp.
Serratia marcescens
Staphylococcus aureus
Staphylococcus spp.²
Streptococcus agalactiae³
Streptococcus pneumoniae
Streptococcus pyogenes⁴
Ureaplasma urealyticum, parvum
Varicella zoster virus⁵

OTOLARYNGOLOGY INFECTION

SAMPLE TYPE: Ear Swab, Tympanocentesis Fluid, Nasopharynx Swab, Throat Swab

Acinetobacter baumannii
Adenovirus HAdV-B
Aspergillus flavus, fumigatus, niger, terreus
Candida albicans, glabrata, parapsilosis, tropicalis
Candida auris
Chlamydia pneumoniae
Chlamydia trachomatis
Coronavirus (229E, NL63, OC43, and HKU1)
COVID-19 Coronavirus (SARS- CoV-2)
Enterobacter aerogenes, cloacae
Enterovirus A,B,C
Enterovirus D68
Escherichia coli
Haemophilus influenzae
Human metapneumovirus
Influenza virus A, B

Klebsiella pneumoniae, oxytoca
Moraxella catarrhalis
Mycoplasma genitalium, hominis
Mycoplasma pneumoniae
Neisseria gonorrhoeae
Parainfluenza virus (types 1, 2, 3, 4)
Proteus mirabilis, vulgaris
Pseudomonas aeruginosa
Respiratory syncytial virus
Rhinovirus A,C
Rhizopus spp., Mucor spp.
Serratia marcescens
Staphylococcus aureus
Staphylococcus spp.²
Streptococcus agalactiae³
Streptococcus pneumoniae
Streptococcus pyogenes⁴
Ureaplasma urealyticum, parvum
Varicella zoster virus⁵

RESPIRATORY TRACT INFECTION

SAMPLE TYPE: Nasopharynx Swab, Cough Sputum, Swab, Throat Swab

Acinetobacter baumannii
Adenovirus HAdV-B
Aspergillus flavus, fumigatus, niger, terreus
Bordetella pertussis, parapertussis, bronchiseptica
Candida albicans, glabrata, parapsilosis, tropicalis
Chlamydia pneumoniae
Coronavirus (229E, NL63, OC43, and HKU1)
COVID-19 Coronavirus (SARS-CoV-2)
Enterobacter aerogenes, cloacae
Enterovirus A, B, C
Enterovirus D68
Escherichia coli
Haemophilus influenzae
Human metapneumovirus
Influenza virus A, B
Klebsiella pneumoniae, oxytoca
Legionella pneumophila
Moraxella catarrhalis

Mycoplasma pneumoniae
Parainfluenza virus (types 1, 2, 3, 4)
Proteus mirabilis, vulgaris
Pseudomonas aeruginosa
Respiratory syncytial virus
Rhinovirus A, C
Rhizopus spp., Mucor spp.
Serratia marcescens
Staphylococcus aureus
Streptococcus agalactiae³
Streptococcus pneumoniae
Streptococcus pyogenes⁴

Add-on Only
Mycobacterium avium-intracellulare, kansasii
Mycobacterium tuberculosis
Candida auris

GASTROINTESTINAL INFECTION

SAMPLE TYPE: Rectal Swab, Stool Swab

Adenovirus HAdV-F, HAdV-G
Astrovirus, Sapovirus G1, G2
Bacteroides fragilis
Campylobacter jejuni, coli
Clostridioides difficile (toxins A, B)
Clostridium perfringens, novyi, septicum
Cryptosporidium hominis, parvum, felis
Cyclospora cayentanensis,
Cytospora belli
Dientamoeba fragilis,
Entamoeba histolytica
Enterogaagregative E. coli (EAEC)
Enteroinvasive E. coli (EIEC) / Enteropathogenic E. coli (EPEC)
Enterotoxigenic E. coli (ETEC)
Enterovirus A, B, C
Enterovirus D68
Giardia intestinalis
Helicobacter pylori

Listeria monocytogenes
Microsporidium (Enterocytozoon bienersi, Encephalitozoon intestinalis)
Norovirus (Genogroup 1, 2) O157 (STEC O157)
Rotavirus A, B
Salmonella enterica
Shigella spp.
Shiga toxin-producing E. coli (STEC) Shiga toxin-producing E. coli
Vibrio parahaemolyticus, vulnificus, cholerae
Yersinia enterocolitica

URINARY TRACT INFECTION PLUS

SAMPLE TYPE: Urine Swab, Catheter Swab

Acinetobacter baumannii
Candida albicans, glabrata, parapsilosis, tropicalis
Citrobacter freundii
Enterobacter aerogenes, cloacae
Enterococcus faecalis, faecium
Escherichia coli
Klebsiella pneumoniae, oxytoca
Morganella morganii
Mycoplasma genitalium, hominis
Proteus mirabilis, vulgaris
Pseudomonas aeruginosa

Serratia marcescens
Staphylococcus aureus
Staphylococcus spp.²
Streptococcus agalactiae³
Streptococcus pyogenes⁴
Trichomonas vaginalis
Ureaplasma urealyticum, parvum

Add-on Only
Candida auris

NAIL/PARONYCHIA, HAIR

SAMPLE TYPE: Nail Clipping, Paronychial Tissue, Hair

Bacterial/Viral
Bacteroides fragilis, vulgatus
Enterobacter aerogenes, cloacae
Enterococcus faecalis, faecium
Escherichia coli
Klebsiella pneumoniae, oxytoca
Peptostreptococcus anaerobius, asaccharolyticus, magnus, prevotii
Proteus mirabilis, vulgaris
Pseudomonas aeruginosa
Serratia marcescens
Staphylococcus aureus
Streptococcus agalactiae³
Streptococcus pyogenes⁴

Fungal
Aspergillus flavus, fumigatus, niger, terreus
Blastomyces dermatitidis
Candida albicans, glabrata, parapsilosis, tropicalis
Epidermophyton floccosum
Fusarium oxysporum, solani
Malassezia furfur, restricta, sympodialis, globosa
Microsporium audouinii, canis, gypseum
Trichophyton mentagrophytes/ interdigitale, rubrum, soudanense, terrestre, tonsurans, verrucosum, violaceum
Trichosporon mucoides, asahii

Add-on Only
Candida auris

GENITO/STI

SAMPLE TYPE: Urine Swab, Prostatic Fluid, Penile Swab, Anorectal Swab, Vaginal Swab, Pelvic Abscess Material, Endometrial Sampling, Cervical Brushing, Genital Region Ulcer Swab, Endocervical Brushing, Urethral Swab

Acinetobacter baumannii
Actinomyces israelii
Atopobium vaginae
Bacteroides fragilis
BVAB 2, 3 (bacterial vaginosis associated bacteria 2, 3):
Mobiluncus spp.
Candida albicans, glabrata, parapsilosis, tropicalis
Chlamydia trachomatis
Citrobacter freundii
Enterobacter aerogenes, cloacae
Enterococcus faecalis, faecium
Escherichia coli
Gardnerella vaginalis
Haemophilus ducreyi
Herpes simplex virus 1 & 2¹
High Risk HPV Types 16, 18, 26, 31, 33, 35, 39, 45, 51, 52, 53, 56, 58, 59, 66, 67, 68, 69, 70, 73, 82
Klebsiella (Calymmatobacterium) granulomatis

Klebsiella pneumoniae, oxytoca
Megasphaera (Types 1, 2)
Morganella morganii
Mycoplasma genitalium, hominis
Neisseria gonorrhoeae
Peptostreptococcus anaerobius, asaccharolyticus, magnus, prevotii
Proteus mirabilis, vulgaris
Pseudomonas aeruginosa
Serratia marcescens
Staphylococcus aureus
Staphylococcus spp.²
Streptococcus agalactiae³
Streptococcus pyogenes⁴
Treponema pallidum
Trichomonas vaginalis
Ureaplasma urealyticum, parvum

Add-on Only
Candida auris
Cytomegalovirus (CMV, Human Herpesvirus 5⁵)

NAIL/PARONYCHIA, HAIR

SAMPLE TYPE: Wound Swab, Joint Aspiration, Wound Tissue

Acinetobacter baumannii
Bacteroides fragilis, vulgatus
Burkholderia cepacia, pseudomallei
Citrobacter freundii
Clostridium perfringens, novyi, septicum
Corynebacterium jeikeium, striatum, tuberculoostearicum
Cutibacterium (Propionibacterium) acnes
Enterobacter aerogenes, cloacae
Enterococcus faecalis, faecium
Escherichia coli
Finogoldia magna
Haemophilus influenzae
Herpes simplex virus 1 & 2
Klebsiella pneumoniae, oxytoca
Mycobacterium abscessus, chelonae, fortuitum
Mycobacterium avium-intracellulare, kansasii
Mycobacterium marinum, ulcerans
Mycoplasma genitalium, hominis
Peptostreptococcus anaerobius, asaccharolyticus, magnus, prevotii
Proteus mirabilis, vulgaris
Pseudomonas aeruginosa
Salmonella enterica
Serratia marcescens

Staphylococcus aureus
Staphylococcus spp.²
Stenotrophomonas maltophilia
Streptococcus agalactiae³
Streptococcus pneumoniae
Streptococcus pyogenes⁴
Varicella zoster virus⁵
Vibrio cholerae, parahaemolyticus, vulnificus
Fungal
Aspergillus flavus, fumigatus, niger, terreus
Blastomyces dermatitidis
Candida albicans, glabrata, parapsilosis, tropicalis
Epidermophyton floccosum
Fusarium oxysporum, solani
Malassezia furfur, restricta, sympodialis, globosa
Microsporium audouinii, canis, gypseum
Sporothrix schenckii
Trichophyton mentagrophytes/ interdigitale, rubrum, soudanense, terrestre, tonsurans, verrucosum, violaceum
Trichosporon mucoides, asahii

NOT TYPICALLY DETECTED BY CULTURE

- FUNGAL
- ANAEROBE
- SLOW GROWING
- STREPTOCOCCUS SPECIES
- NOT TYPICALLY TESTED BY CULTURE

ANTIBIOTIC RESISTANCE GENES

- VanA, VanB[†]
- ermB, C; mefA[†]
- SHV, KPC Groups[†]
- dfr (A1, A5), sul (1, 2)[†]
- mecA[†]
- qnrA1, qnrA2, qnrB2[†]
- tet B, tet M[†]
- IMP, NDM, VIM Groups[†]
- ACT, MIR, FOX, ACC Groups[†]
- OXA-48, -51[†]
- CTX-M1 (15), M2 (2), M9 (9), M8/25 Groups[†]