



Panels are subject to change please refer to our website by scanning QR code for updated specimens list.



OPHTHALMOLOGY INFECTION

SAMPLE TYPE: Eye Swab, Lacrimal Fluid, Vitreous Fluid

- Acanthamoeba castellanii, polyphaga; Vermamoeba (Hartmannella) vermiformis
- Acinetobacter baumannii
- Adenovirus
- Alternaria spp, Curvularia lunata, Penicillium spp
- Aspergillus flavus, fumigatus, niger, terreus
- Bacillus cereus, thuringiensis
- Candida albicans, glabrata, parapsilosis, tropicalis
- Chlamydia trachomatis
- Citrobacter freundii
- Corynebacterium jeikeium, striatum, tuberculostearicum
- Cutibacterium (Propionibacterium) acnes
- Cytomegalovirus
- Demodex folliculorum
- Enterobacter aerogenes, cloacae
- Enterococcus faecalis, faecium
- Enterovirus (pan)
- Epstein-Barr virus
- Escherichia coli
- Fusarium oxysporum, solani
- Fusobacterium nucleatum, necrophorum
- Haemophilus influenzae
- Herpes simplex virus 1, 2
- Klebsiella pneumoniae, oxytoca
- Microsporidia (Encephalitozoon hellum, cuniculi, Nosema (Vittaforma) ocularum)
- Moraxella catarrhalis
- Morganella morganii
- Mycobacterium spp
- Neisseria gonorrhoeae
- Peptostreptococcus anaerobius, asaccharolyticus, magnus, prevotii
- Proteus mirabilis, vulgaris
- Pseudomonas aeruginosa
- Rhizopus spp, Mucor spp
- Staphylococcus aureus
- Staphylococcus epidermidis, haemolyticus, lugdunensis, saprophyticus
- Streptococcus agalactiae
- Streptococcus anginosus, constellatus, intermedius
- Streptococcus mitis, mutans, sanguis
- Streptococcus pneumoniae
- Streptococcus pyogenes
- Toxoplasma gondii
- Varicella zoster virus

OTOLARYNGOLOGY INFECTION

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

- Acinetobacter baumannii
- Adenovirus
- Alternaria spp, Curvularia lunata, Penicillium spp
- Aspergillus flavus, fumigatus, niger, terreus
- Bordetella pertussis, parapertussis, bronchiseptica
- Candida albicans, glabrata, parapsilosis, tropicalis
- Chlamydia trachomatis
- Corynebacterium jeikeium, striatum, tuberculostearicum
- Cutibacterium (Propionibacterium) acnes
- Cytomegalovirus
- Enterobacter aerogenes, cloacae
- Enterococcus faecalis, faecium
- Enterovirus (pan)
- Epstein-Barr virus
- Escherichia coli
- Fusarium oxysporum, solani
- Fusobacterium nucleatum, necrophorum
- Haemophilus influenzae
- Herpes simplex virus 1, 2
- Klebsiella pneumoniae, oxytoca
- Moraxella catarrhalis
- Neisseria gonorrhoeae
- Parainfluenza virus (types 1, 2, 3, 4)
- Peptostreptococcus anaerobius, asaccharolyticus, magnus, prevotii
- Proteus mirabilis, vulgaris
- Pseudomonas aeruginosa
- Rhizopus spp, Mucor spp
- Staphylococcus aureus
- Staphylococcus epidermidis, haemolyticus, lugdunensis, saprophyticus
- Streptococcus agalactiae
- Streptococcus anginosus, constellatus, intermedius
- Streptococcus mitis, mutans, sanguis
- Streptococcus pneumoniae
- Streptococcus pyogenes
- Varicella zoster virus

IMMUNOCOMPROMISED HOST 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, parapsilosis, tropicalis
- Candida glabrata
- Candida krusei
- Chlamydia pneumoniae
- Coronavirus (229E, NL63, OC43, and HKU1)
- COVID-19 Coronavirus (SARS-CoV-2)
- Enterobacter aerogenes, cloacae
- Enterovirus (pan)
- 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 agalactiae
- Streptococcus pneumoniae
- Streptococcus pyogenes

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
- Enterovirus A, B, C
- Enterovirus D68
- Enterococcus faecalis, faecium
- Enterobacter aerogenes, cloacae
- Enteroinvasive E. coli (EIEC) / Shigella spp.
- Enteropathogenic E. coli (EPEC)
- Enterotoxigenic E. coli (ETEC)
- Helicobacter pylori
- Listeria monocytogenes
- Norovirus (Genogroup 1, 2)
- Rotavirus A, B
- Salmonella enterica
- Shiga toxin-producing E. coli (STEC)
- Shiga toxin-producing E. coli O157 (STEC O157)
- Vibrio parahaemolyticus, vulnificus, cholerae
- Yersinia enterocolitica

OVA & PARASITE

- Cryptosporidium felis, hominis, parvum
- Cyclospora cayentensis, Cystoisospora belli
- Dientamoeba fragilis, Entamoeba histolytica
- Giardia duodenalis (lamblia)
- Microsporidium (Enterocytozoon bienersi, Encephalitozoon intestinalis)

NAIL/PARONYCHIA, HAIR

SAMPLE TYPE: Nail Clipping, Paronychia Tissue, Hair Clipping

- 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
- Staphylococcus epidermidis, haemolyticus, lugdunensis, saprophyticus
- Streptococcus agalactiae
- Streptococcus pyogenes
- 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

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 epidermidis, haemolyticus, lugdunensis, saprophyticus
- Streptococcus agalactiae
- Streptococcus pyogenes
- Trichomonas vaginalis
- Ureaplasma urealyticum, parvum

WOUND INFECTION

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, tuberculostearicum
- Cutibacterium (Propionibacterium) acnes
- Enterobacter aerogenes, cloacae
- Enterococcus faecalis, faecium
- Escherichia coli
- Finegoldia magna
- Haemophilus influenzae
- Herpes simplex virus 1, 2
- Klebsiella pneumoniae, oxytoca
- Monkeypox (add-on)
- 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 epidermidis, haemolyticus, lugdunensis, saprophyticus
- Stenotrophomonas maltophilia
- Streptococcus agalactiae
- Streptococcus pneumoniae
- Streptococcus pyogenes
- Varicella zoster virus
- 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

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, parapsilosis, tropicalis
- Candida glabrata
- Candida krusei
- Chlamydia trachomatis
- Citrobacter freundii
- Enterobacter aerogenes, cloacae
- Enterococcus faecalis, faecium
- Escherichia coli
- Gardnerella vaginalis
- HPV
- Klebsiella pneumoniae, oxytoca
- Megasphaera (types 1, 2)
- Morganella morganii
- Mycoplasma genitalium, hominis
- Neisseria gonorrhoeae
- Proteus mirabilis, vulgaris
- Pseudomonas aeruginosa
- Serratia marcescens
- Staphylococcus aureus
- Staphylococcus epidermidis, haemolyticus, lugdunensis, saprophyticus
- Streptococcus agalactiae
- Streptococcus pyogenes
- Trichomonas vaginalis
- Ureaplasma urealyticum, parvum

Monkeypox

SAMPLE TYPE: Skin lesion material, including swabs of lesion surface, exudate, or lesion crusts.

- Human Monkeypox Virus

ALL ANTIBIOTIC RESISTANCE GENES:

- ACT, MIR, FOX, ACC Groups
- CTX-M1 (15), M2 (2), M9 (9), M8/25 Groups
- dfr (A1, A5), sul (1, 2)
- OXA-48, OXA-51
- qnrA1, A2, B2
- ermB, C; mefA
- IMP, NDM, VIM Groups
- mecA
- SHV, KPC Groups
- tet B, tet M
- VanA, VanB