

DETECT & IDENTIFY PATHOGENS WITH **SPEED AND PRECISION**

PCR-based Testing



Molecular diagnosis of infectious organisms by site with genes confirming antibiotic resistance

- 1 - 2 Days Turn-Around Time *
- Abx selection and early intervention to avoid emergency admission and decrease length of stay in Acute Care Facilities
- Antimicrobial stewardship
- White glove customer support
- Secured online platform to order tests and view results
- Free complete collection kits provided

* Turn-Around Time (TAT) begins from the time the specimen is received and accepted in our laboratory.

TAT: 1-2 days on weekdays, TAT: 1-3 days for specimen received on Saturdays. Laboratory close on Sundays)

Syndromic Menu

- Respiratory Infections
- COVID-19, Flu A & B, RSV
- Pharyngitis/Laryngitis
- Urinary Tract Infections
- Sexually Transmitted Infections
- Vaginitis
- Wound Infections
- Candida Auris

Refer to attached Syndromic Menu for details

KarmaCare Dx is KPC Biotech's molecular diagnostic laboratory business unit. Offering a full menu of Infectious Disease testing services, we support providers with rapid detection and identification of viral, bacterial, and fungal pathogens with detailed reports. Our comprehensive syndromic test panels include identifications of antimicrobial resistance genes and valuable recommendations of antibiotic treatment for improved patients' outcomes.

Tel: 1 (800) 249-9478
www.kpcbitech.com



IDENTIFYING INFECTIONS

Syndromic Menu Ordering Reference Guide

Tel: (800) 249-9478

TURN-AROUND TIME: 24-36 Hours from receipt of specimen in our laboratory

Respiratory

SPECIMEN TYPES: Nasopharyngeal **COLLECTION MEDIA/TUBE:** Swab and Molecular Transport Tube (MTM)

COMMON SIGNS & SYMPTOMS: Consider if patient presents with symptoms of an upper respiratory tract infection, including cough, moderate temperature elevation, and mucopurulent sputum. J00, J02.9, J06.0, J06.9, J10.1, J18.9, J20.8, J22, R05.1, R05.2, R06.02, R06.2, R07.1, R50.9

Bacterial • Haemophilus influenzae • Moraxella catarrhalis • Staphylococcus aureus • Streptococcus pneumoniae • Streptococcus pyogenes (Group A Strep) Atypical Bacteria • Bordetella pertussis • Chlamydia pneumoniae • Mycoplasma pneumoniae	Virus • Adenovirus • Bocavirus • COVID-19 Coronavirus (SARS-CoV-2) • Enterovirus • Epstein-Barr virus (mononucleosis) • Human metapneumovirus (A) • Human metapneumovirus (B) • Influenza virus A • Influenza virus B • Other Coronaviruses (229E)	Virus • Other Coronaviruses (HKU1) • Other Coronaviruses (NL63) • Other Coronaviruses (OC43) • Parainfluenza virus (type 1) • Parainfluenza virus (type 2) • Parainfluenza virus (type 3) • Parainfluenza virus (type 4) • Respiratory Syncytial Virus (Types A & B) • Rhinovirus (types A & B) Antibiotic Resistance Genes • mecA
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Respiratory Plus

SPECIMEN TYPES: Nasopharyngeal **COLLECTION MEDIA/TUBE:** Swab and Molecular Transport Tube (MTM)

COMMON SIGNS & SYMPTOMS: Consider if patient presents with symptoms of an upper respiratory tract infection, including cough, moderate temperature elevation, and mucopurulent sputum. J00, J02.9, J06.0, J06.9, J10.1, J18.9, J20.8, J22, R05.1, R05.2, R06.02, R06.2, R07.1, R50.9

Includes all organisms listed in the above Respiratory panel and the following:

Bacterial • Acinetobacter baumannii • Enterobacter cloacae • Klebsiella aerogenes • Klebsiella pneumoniae • Proteus mirabilis • Pseudomonas aeruginosa • Staphylococcus epidermidis Atypical Bacteria • Legionella pneumophila	Antibiotic Resistance Genes • mecA
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Treatable Respiratory Viruses

SPECIMEN TYPES: Nasopharyngeal Swab **COLLECTION MEDIA/TUBE:** Swab and Molecular Transport Tube (MTM)

COMMON SIGNS & SYMPTOMS: Consider if patient presents with an acute upper respiratory tract Infection, high-grade fever, acute cough, runny nose, pain in throat, wheezing, nasal congestion, shortness of breath, or malaise. J00, J02.9, J06.0, J06.9, J10.1, J18.9, J20.8, J22, R05.1, R05.2, R06.02, R06.2, R07.1, R50.9

Virus

- COVID-19 Coronavirus (SARS-CoV-2)
- Influenza virus A
- Influenza virus B
- Respiratory syncytial virus

Pharyngitis/Laryngitis

SPECIMEN TYPES: Oropharynx Swab **COLLECTION MEDIA/TUBE:** Swab and Molecular Transport Tube (MTM)

COMMON SIGNS & SYMPTOMS: Consider if patient presents with pain in throat, fever, pharyngeal edema, patchy tonsillar exudates, or tender/swollen anterior cervical lymph nodes. J00, J02.9, J06.0, R05.1, R05.2, R50.9

Bacterial

- Streptococcus pyogenes (Group A Strep)

Atypical Bacteria

- Mycoplasma pneumoniae

Virus

- COVID-19 Coronavirus (SARS-CoV-2)
- Enterovirus
- Rhinovirus (types A & B)

Candida Auris

SPECIMEN TYPES: Axilla, Groin, or Axilla & Groin Swab **COLLECTION MEDIA/TUBE:** Swab and Molecular Transport Tube (MTM)

Fungal

- Candida auris

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Urinary Tract Infection

SPECIMEN TYPES: Urine (clean catch)

COLLECTION MEDIA/TUBE: C&S Preservative Urine Tube (Gray Top)

COMMON SIGNS & SYMPTOMS: Consider if patient presents with dysuria, hematuria, urgency of urination, frequency of micturition, or pain of micturition. N30.00, N30.01, N39.0, N39.1, R30.0, R30.9, R31.0, R35.0, R82.9, R82.998, Z87.440

Bacterial

- Acinetobacter baumannii
- Bacteroides fragilis
- Citrobacter freundii
- Citrobacter koseri
- Enterobacter cloacae
- Enterococcus spp
- Escherichia coli
- Klebsiella aerogenes
- Klebsiella oxytoca
- Klebsiella pneumoniae
- Morganella morganii
- Mycoplasma genitalium
- Mycoplasma hominis
- Prevotella bivia
- Proteus mirabilis
- Pseudomonas aeruginosa
- Serratia marcescens
- Staphylococcus aureus
- Staphylococcus epidermidis
- Staphylococcus saprophyticus
- Streptococcus agalactiae (Group B Strep)
- Streptococcus pyogenes (Group A Strep)
- Ureaplasma urealyticum

Fungi

- Candida albicans
- Candida dubliniensis
- Candida glabrata
- Candida krusei
- Candida parapsilosis
- Candida tropicalis

Antibiotic Resistance Genes

- blaKPC
- blaNDM
- CTX-M-Group 1
- dfrA
- mecA
- qnr
- Sul
- vanA
- vanB

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Sexually Transmitted Infection

SPECIMEN TYPES: Urine (voided), Vaginal Swab

COLLECTION MEDIA/TUBE: Molecular Transport Tube (MTM)

COMMON SIGNS & SYMPTOMS: Consider if patient has high risk heterosexual behavior, high risk homosexual behavior, or suspected exposure to a sexually transmitted infection. Z11.3, Z20.2, Z72.51, Z72.52

Bacteria	Virus	Protozoan
- Atopobium vaginae - Chlamydia trachomatis - Gardnerella vaginalis - Haemophilus ducreyi - Neisseria gonorrhoeae - Treponema pallidum	- HSV-1 (Herpes Simplex) - HSV-2 (Herpes Simplex)	Trichomonas vaginalis

Vaginitis

SPECIMEN TYPES: Vaginal Swab

COLLECTION MEDIA/TUBE: Swab and Molecular Transport Tube (MTM)

COMMON SIGNS & SYMPTOMS: Consider if patient presents with vaginal discharge, odor, itching, and/or discomfort, bacterial vaginosis, or vulvovaginal candidiasis. N76.0, N76.1, N76.89, N77.1, N93.9, R30.0, Z72.51

Bacterial		Virus	Fungi
- Atopobium vaginae - Bacteroides fragilis - BVAB-2 - Chlamydia trachomatis - Enterococcus spp - Escherichia coli - Gardnerella vaginalis - Haemophilus ducreyi - Lactobacillus crispatus - Lactobacillus gasseri - Lactobacillus iners - Lactobacillus jensenii	- Megasphaera Type 1 - Megasphaera Type 2 - Mobiluncus curtisii - Mobiluncus mulieris - Mycoplasma genitalium - Mycoplasma hominis - Neisseria gonorrhoeae - Prevotella bivia - Staphylococcus aureus - Streptococcus agalactiae (GBS) - Treponema pallidum - Ureaplasma urealyticum	- HSV-1 (Herpes Simplex) - HSV-2 (Herpes Simplex) Protozoan - Trichomonas Vaginalis	- Candida albicans - Candida dubliniensis - Candida glabrata - Candida krusei - Candida lusitanae - Candida parapsilosis - Candida tropicalis

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Wound

SPECIMEN TYPES: Wound Swabs or Abscess/Aspirate (all locations)

COLLECTION MEDIA/TUBE: Swab and Molecular Transport Tube (MTM)

COMMON SIGNS & SYMPTOMS: Patient presents with a recent wound resulting from penetrating trauma with erythema, edema, heat, purulent exudate and/or pain. B00.9, B02.9, L01.00, L02.214, L02.818, L30.4, L30.8, S81.802A, S81.801A, S90.829A

Bacterial		Antibiotic Resistance Genes
- Acinetobacter baumannii - Bacteroides fragilis - Citrobacter freundii - Citrobacter koseri - Enterobacter cloacae - Enterococcus spp - Escherichia coli - Klebsiella aerogenes - Klebsiella oxytoca	- Klebsiella pneumoniae - Morganella morganii - Proteus mirabilis - Pseudomonas aeruginosa - Serratia marcescens - Staphylococcus aureus - Staphylococcus epidermidis - Staphylococcus saprophyticus - Streptococcus pyogenes (Group A Strep)	- blaKPC - blaNDM - CTX-M-Group 1 - dfrA - mecA - qnr - Sul - vanA - vanB

IMPORTANT REMINDER for specimens: Use the KarmaCare Dx Collection Kit provided. Per College of American Pathology (CAP) regulations, all primary specimen containers - the innermost container submitted to KarmaCare Dx that contains the specimen to be tested - must be labeled with two (2) patient identifiers!

Patient identifiers include:

- Patient Name (first and last)
- Requisition Number or Bar Code Label
(available on Requisition Form after an order is placed on our Online Portal)
- Patient's Date of Birth

Patient identifiers on specimen container and the laboratory Requisition Form must match for the specimen to be processed. Please make sure to include the date and time of specimen collection on specimen container.

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