URINARY TRACT INFECTION (UTI) PANEL

MIRA GENETIX IS A CAP / CLIA CERTIFIED FULL-SERVICE LABORATORY THAT'S BEEN IN BUSINESS FOR 30 YEARS.

ADVANTAGES:

- Tests for a broader range of pathogens which can identify polymicrobial infections that may be missed with traditional culture testing
- Rapid results in 24 36 hours can allow faster patient treatment and relief (same day results available in specific areas)
- Antibiotic Sensitivity Testing can provide personalized treatment recommendations
- Results can be easily accessed via web portal
- Helps prevent patient hospitalization
- Reduces prescription of unnecessary antibiotics





There are over a 1 million emergency department visits and 100,000 admissions with UTI annually in the United States.

TESTING MENU:

Acinetobacter Baumannii
Actinobaculum Schaalii
Aerococcus Urinae
Pan-Candida Albicans, Glabrata,
Parapsilosis, Tropicalis
Citrobacter Freundii
Corynebacterium Riegelii
Klebsiella Aerogenes
Enterobacter Cloacae

Enterococcus Faecalis

Enterococcus Faecium
Escherichia Coli
Klebsiella Oxytoca
Klebsiella Pneumoniae
Morganella Morganii
Mycoplasma Hominis
Proteus Mirabilis
Proteus Vulgaris
Pseudomonas Aeruginosa
Serratia Marcescens

Staphylococcus Aureus Streptococcus Agalactiae Staphylococcus Saprophyticus Coagulase Negative Staphylococci Providencia Stuartii

Traditional culture testing may only detect 6 pathogens with an error rate as high as 29%! Mira Genetix real-time DNA PCR testing can detect up to 17 pathogens with 100% specificity.

Traditional sensitivity testing only evaluates 7 antibiotics. Mira Genetix's Advanced Sensitivity Testing can evaluate up to 35 antibiotics.

LEADER IN ANTIBIOTIC STEWARDSHIP

Mira Genetix offers a live sensitivity test which quickly gives confidence in how to treat the patient providing the MIC unlike many other molecular labs. Treat the patient with 100% confidence with our state of the art technology.

SEXUALLY TRANSMITTED INFECTIONS (STI) PANEL

MIRA GENETIX IS A CAP / CLIA CERTIFIED FULL-SERVICE LABORATORY THAT'S BEEN IN BUSINESS FOR 30 YEARS.

ADVANTAGES:

- Same Day Results
- Fewer false negatives with 100% accuracy
- Antibiotic gene resistance identification
- Can identify polymicrobial infections
- Easy to interpret results
- Can help avoid hospitalization
- One simple collection method



TESTING MENU:

Atopobium Vaginae

Bacteroides Fragilis

BVAB2

PAN-Candida (Albicans Glabrata,

Parapsilosis, Tropicalis)

Chlamydia Trachomatis

*Enterococcus Faecalis

*Escherichia Coli

Gardnerella Vaginalis

Haemophilus Ducreyi

HSV1 & HSV2

Megasphaera 1

Mycoplasma Genitalium

Mycoplasma Hominis

Neisseria Gonorrhoeae

Pan - Lactobacillus

Prevotella Bivia

*Staphylococcus Aureus

*Streptococcus Agalactiae (group B)

Trichomonas Vaginalis

Ureaplasma Urealyticum

Megasphaera 2

Mobiluncus Curtisii

Mobiluncus Mulieris

*Reflex Sensitivities



>>> STI AND PCR HIGHLIGHTS:

- STI are among the most common causes of illness in the United States and can cause a wide range of complications including infertility.
- · According to the CDC, there are 20 million new cases of sexually transmitted infections each year concentrated from only 8 viruses and bacteria.
- Chlamydia trachomatis is the most common STI in the world.
- STI testing by PCR identifies pathogens by DNA/RNA which can make it possible to detect disease earlier with more accuracy and a higher sensitivity than traditional testing methods.
- PCR testing can also identify drug resistance and help improve antibiotic stewardship.

RESPIRATORY PATHOGEN PANEL (RPP) PANEL

MIRA GENETIX IS A CAP / CLIA CERTIFIED FULL-SERVICE LABORATORY THAT'S BEEN IN BUSINESS FOR 30 YEARS.

RPP OFFERS:

- Faster Turnaround Time
- Higher Accuracy
- Improves Antibiotic Stewardship
- Antibiotic Gene Resistance Identification
- Reduces False Negative Test Results
- Reduces prescribing unnecessary antibiotics
- Identifies viral and bacterial coinfections





The Respiratory Panel enables quick detection of viral and bacterial pathogens allowing faster treatment time, more accurate results, and can help avoid unnecessary patient hospitalization.

Are you treating a Virus or a Bacteria?

VIRUSES: BACTERIA: Adenovirus Parainfluenza Virus 3 Mycoplasma Pneumoniae Coronavirus 229E Parainfluenza Virus 4 *Streptococcus Pneumoniae Coronavirus HKU1 Resp. Syncytial Virus A *Staphylococcus Aureus Coronavirus NL63 Resp. Syncytial Virus B Coronavirus OC43 Rhinovirus Influenza A (Pan) Enterovirus (Pan) Influenza A/HI-2009 SARS-CoV-2 Influenza A/H3 Legionella Pneumophila Influenza B Moraxella Catarrhalis Metapneumovirus (hMPV) Parainfluenza Virus 1 Parainfluenza Virus 2 *Reflex Sensitivities

WOUND PANEL

MIRA GENETIX IS A CAP / CLIA CERTIFIED FULL-SERVICE LABORATORY THAT'S BEEN IN BUSINESS FOR 30 YEARS.



We offer a comprehensive molecular test for Wound/Nail pathogens that can enhance patient care with evidence-based diagnostics.



MOLECULAR PCR WOUND PANEL BENEFITS:

- Turn around time as fast as 24 hours
- Can identify bacteria, viruses, parasites, and fungi in one test
- Begin treatment faster with more accurate results
- Simple sample collection and increased patient satisfaction

TESTING MENU

Acinetobacter Baumannii Acremonium Strictum

Asperaillus Fumigatus

Aspergillus Niger

Aspergillus Versicolor

Bacteroides Fragilis

Candida Albicans

Candida Glabrata

Candida Krusei

Candida Parapsilosis

Candida Tropicalis

Citrobacter Freundii

Clostridium Septicium

Enterobacter Aerogenes

Enterobacter Cloacae

Enterococcus Faecalis

Enterococcus Faecium

Epidermophyton Floccosum

Escherichia Coli

Fusarium Solani

Kingella Kingae

Klebsiella Oxytoca

Klebsiella Pneumonia

Microsporum Audouinii

Microsporum Canis

Morganella Morganii

Neofusicoccum Mangiferae

Prevotella Loescheii

Proteus Mirabilis

Proteus Vulgaris

Pseudomonas Aeruginosa

Scopulariopsis Brevicaulis

Serratia Marcescens

Staphylococcus Aureus

Staphylococcus Saprophyticus

Strep. Agalactiae (Group B)

Strep. Pyogenes (Group A)

Trichophyton Interdigitale

Trichophyton Rubrum

GASTROINTESTINAL PANEL

MIRA GENETIX IS A CAP / CLIA CERTIFIED FULL-SERVICE LABORATORY THAT'S BEEN IN BUSINESS FOR 30 YEARS.



We offer a comprehensive molecular test for Gastrointestinal pathogens that can enhance patient care with evidence-based diagnostics.



MOLECULAR PCR GASTROINTESTINAL PANEL BENEFITS:

- Turn around time as fast as 24 hours
- Increased sensitivity and specificity over traditional test methods
- Reduced costs of unnecessary prescriptions and urgent care visits
- Simple sample collection and increased patient satisfaction
- · Can identify difficult to culture pathogens

TESTING MENU

Adenovirus F40/41

Astrovirus

Campylobacter pool (coli, jejuni, upsaliensis)

Clostridium difficile (toxin A / B)

Cryptosporidium

E. coli O157

Enteroaggregative E. coli (EAEC)

*Shigella / EIEC

Enteropathogenic E. coli (EPEC)

Enterotoxigenic E. coli (ETEC)

Shiga-like toxin-producing E. coli (STEC) stx1

Entamoeba histolytica

Listeria monocytogenes

Enterovirus

H. Pylori

Plesiomonas shigelloides

*Salmonella

Norovirus GI

Norovirus GII

Rotavirus A

Rotavirus B

Giardia lamblia

Sapovirus (I,II,IV)

Sapovirus G.V (V)

Vibrio pool (cholerae, parahaemolyticus, vulnificus)

Yersinia enterocolitica

Rotavirus C

*Reflex Sensitivities

TOXICOLOGY

MIRA GENETIX IS A COLA / CLIA CERTIFIED FULL-SERVICE LABORATORY THAT'S BEEN IN BUSINESS FOR 30+ YEARS.

ADVANTAGES:

- Rapid results in 24 48 hours
- Accurate and reliable toxicology results
- Easy to read patient report
- Lower drug cut-off concentrations to catch low positive results
- LIS which allows seamless communication between lab and clinic
- Around the clock customer care



TYPES OF TESTING:

Qualitative Testing

The EIA (Enzyme ImmunoAssay) provides presumptive testing for drug groups. Often called "screening," results are qualitative and result as positive or negative. Results from this method are presumptive and should never be considered a final result without LC/MS confirmation testing.

Quantitative Testing

The LC/MS (Liquid Chromatography/Mass Spectrometry) provides confirmatory testing for a specific drug. This technique relies on the principles of LC/MS to separate mixtures with multiple components and provide molecular identity of individual components with high specificity and detection. Results are numerical and identify the exact drug and amount of drug detected in the urine sample.

TESTING MENU:

Alcohol Panel

Amphetamine/Stimulants Panel

Amphetamine Methamphetamine Phentermine

Ritalinic Acid

Barbiturates Panel

Bulabilal

Phenobarbital

Benzodlazepines Panel

7-Aminoclonazepam

Alprazolam

Lorazepam

Nordiazepam

Oxazepam

Temazepam

GABA Panel

Gabapentin

Pregabalin

Illicits Panel

Bath Salts (MDA) (MDEA) (MDPV)

Cocaine

Cotinine

Dextromethorphan

Dextrorphan

Ecstasy (MDMA)

Heroin

Ketamine

Mitragynine

PCP

Synthetic Cannabinoids (K2 Spice)

Opiates/Opioids Panel

Buprenorphine

Codeine

Fentanyl

Hydromorphone

Hydrocodone

Meperidine

Methadone (EDDP)

Morphine

Naloxone

Naltrexone

Oxycodone

Oxymorphone

Pentazocine

Propoxyphene

Tapentadol

Tromadol

SSRI/Tricyclics Panel

Amitriptyline

Citalopram

Clomipramine

Desipramine

Doxepin

Fluoxetine

Imipramine

Paroxetine

Sertraline

Relaxants/Sleep Aids Panel

Baclofen

Carisporodol

Cyclobenzaprine

Meprobpmate

Zolpidem