

## ABOUT US

We at Absolute Genomics make it a priority to provide accurate, actionable, accessible, and timely results for your infectious disease testing needs. Our laboratory prioritizes maintaining cutting-edge RT-PCR technology centered around patient care. Our experienced team of healthcare professionals— including M.D., Ph.D, infectious disease specialists, and other professional clinicians—has diligently tailored and continually innovate comprehensive, patient-centric testing solutions based on feedback from our national client-base.

Absolute Genomics is prepared to meet the evolving needs of healthcare providers and consumers with solutions that are evolving, proven, actionable, and digitally-enabled. When you need trusted information to make clear, confident health decisions, consider Absolute Genomics your source. Accuracy and turnaround time are at the forefront of our mission leading to 99% sensitivity and specificity >99% of our testing results delivered within 48 hours of sample receipt. Our support and management teams are passionate about providing the highest level of customer service and support to our clients..

"Individual pathogen targets selected for each panel went through several phases of data analysis and curation to establish contribution in disease causation. Relevant research articles and epidemiological databases are used as sources for selecting the pathogens that were most strongly related to a specific disease. Absolute Genomics prides itself on collecting and utilizing feedback from clients regarding the clinical relevance and diversity of pathogens on the panels."

- Dr. John Hanson, HCLD



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# ABSOLUTE GENOMICS

At Absolute Genomics,  
we aim to **quickly, efficiently,** and  
**accurately** provide  
**cutting-edge medicine** to our patients  
and partners while  
staying at the forefront of **innovation**  
and never compromising **top-notch**  
**customer service.**



Absolute Genomics is a high-complexity CLIA and CAP authorized laboratory that provides a wide variety of molecular diagnostic testing. The laboratory staff at Absolute Genomics is highly trained and experienced which is reflected by our seamless testing and customer service efforts. Molecular diagnosis of infectious disease is the focus and specialty of Absolute Genomics. To achieve this goal, we offer ten panels: COVID-19 testing, Wound *InSITE*, Nail *InSITE*, Respiratory *InSITE*, Urinary *InSITE*, STI *InSITE*, Women's Health *InSITE*, Sexual Health *InSITE*, PGx testing and Antibiotic Resistance (ABx) Advantage panels. All of these panels are designed based on the epidemiological data from the CDC, NIH, and other established national organizations.

The Absolute Genomics ABx Advantage report powered by Arkstone Medical Solutions breaks down complicated lab results into easy-to-read interpretations and well-researched recommendations that maximize physician efficiency. Each report offers precision-guided medicine through Arkstone's patent-pending OneChoice™ Technology and ArkScore™ System to help providers make informed decisions and helps them choose the right course of treatment. The advantage with the ABx Advantage panel is that it provides a single multi-potent drug choice as a treatment option.

## TESTING PANEL



### Urinalysis *InSITE*

The Absolute Genomics Urinary *InSITE* panel has a diverse target list including both bacterial and fungal pathogens. Along with pathogen detection, we provide a powerful antibiotic stewardship report that helps physicians make key decisions for selecting a treatment regimen.



### Respiratory *InSITE*

The Absolute Genomics Respiratory *InSITE* panel is vital for high-risk populations like immunocompromised patients, children, and people above 70 years of age. With timely diagnosis, this test can help in early treatment and reducing mortality rates associated with respiratory illnesses in high-risk populations.



### Wound *InSITE*

The Absolute Genomics Wound *InSITE* panel is a comprehensive RT-PCR panel with bacterial and fungal targets. In addition to pathogen diagnoses, this panel also allows the detection of antibiotic resistance gene markers. The Wound *InSITE* panel utilizes a RT-PCR assay for detection of multiple pathogens and antibiotic resistance in a single PCR workflow. This highly actionable information is provided in a simple, efficient report with the best available drug choice.



### STI/Women's Health *InSITE*

The Absolute Genomics STI *InSITE* and Women's Health *InSITE* panel are a faster and more reliable solution for detecting bacterial vaginosis and other sexually transmitted infections. The STI panel has 13 targets whereas Women's Health has 24 pathogen targets which were selected based on epidemiological data and feedback from our clientpool. This technique allows Absolute Genomics to process an increased number of samples per instrument per day. RT-PCR has the ability to detect multiple pathogens in a single test.



### Nail *InSITE*

The Absolute Genomics Nail *InSITE* panel will rapidly multiply millions of copies of DNA from a pathogen to determine what bacteria or fungus is in the specimen. The emergence of identifying fungal pathogens in nail tissue may take the guesswork out of treating fungal infections, allowing doctors to begin targeted therapy within days. The specimens are obtained by simply trimming small pieces of a nail. PCR testing can produce accurate results in hours while traditional culturing could take days to weeks. Based on the PCR test, the appropriate medication is recommended for early treatment with better outcomes.



### Sexual Health *InSITE*

The Absolute Genomics Sexual Health *InSITE* Panel is an RT-PCR based assay with a proven track record of high specificity and sensitivity. The panel is a faster and more reliable solution for detecting HIV, Syphilis, Hepatitis B, Hepatitis C, Chlamydia, and Gonorrhea. The Panel has 8 targets which were selected based on epidemiological data and feedback from our client pool. The results have turnaround times under 24 hours thereby allowing a quick identification of disease and early treatment.



### PGx testing

Adverse drug reactions are a common occurrence in prescription medications. Medication such as codeine, abacavir or antibiotic gentamicin can have some serious side effects due to genetics. These can be avoided by using pharmacogenomics testing to determine a patient's risk for a drug. The Absolute Genomics PGx panel is a pharmacogenomic test that identifies clinically important genetic variations which may impact how your patient metabolizes and responds to certain medications used to treat cardiovascular disease, pain medications, depression, anxiety, ADHD, and others.

## ABx Advantage

Misuse and overuse of antimicrobials is one of the world's most pressing public health problems. Infectious organisms adapt to the antimicrobials designed to kill them, making the drugs ineffective. Improving the way we prescribe and use antibiotics, or "antibiotic stewardship," is critical to effectively treat infections, protect patients from harms caused by unnecessary antibiotic use, and combat antibiotic resistance. Antimicrobial stewardship (ASP) aims to make better drug choices which can lead to less adverse effects and a reduction in the cost of treatment. The antimicrobial stewardship report powered by Arkstone Medical Solutions is based on scientific evidence and helps in selecting the best drug choices, optimum doses, shorter length of treatment and best route of administration. In the case of multidrug-resistant organisms (MDROs) antimicrobial stewardship-based treatment options can save lives, reduce hospitalization cost, drug toxicity and the duration of treatment. Multidrug-resistant organisms or superbugs are a global challenge; according to CDC each year more than 2 million US citizens are infected with MDROs resulting in approximately 23,000 deaths.



**Specialized** - Absolute Genomics is built by a team of experienced infectious disease specialists dedicated to serve patient and provider needs



**Patient Oriented** - Absolute Genomics prioritizes feedback and open communication with those we serve to help us create patient and provider friendly reports, increase ease-of-access, improve customer service, and tailor to specific needs



**Digitally Enabled** - Absolute Genomics considers how providers utilize technology in lab services. Empowering providers with tools to track samples, view automated reports, via a secure, HIPAA-compliant, and user friendly portal is at the forefront of our mission



**National Reach** - Absolute Genomics provides comprehensive solutions to physician partners locally and across the U.S. while still maintaining a close relationship with each individual



**Cutting Edge Technology** - Our advanced instrumentation, including ThermoFisher QuantStudio RT-PCR systems and MGISP960 automated sample prep systems, provide industry leading, high-throughput diagnostics for our diverse client-based



**Robust Testing** - Respiratory, Urinary, Sexual & Reproductive Health, Wound, and Nail *InSITE* testing panels have been crafted using field feedback to create a comprehensive infectious disease testing portfolio for our clients



Clinical  
Laboratory  
Improvements  
Amendments

CLIA Number:  
39D2191740  
CAP Number:  
8937694

