

WELCOME TO HERITAGE LABS

dba Ion Diagnostics Laboratory

30600 Telegraph Rd, Suite 1375 Bingham Farms, MI 48025

Your Patient Health is **Our Priority**

About US

Ion Diagnostics: Precision You Can Trust

- At Ion Diagnostics, we are redefining clinical laboratory excellence through advanced technology, accurate testing, and a patient-focused approach. As a CLIA- and CAP-accredited laboratory, we adhere to the highest industry standards, delivering fast and reliable results that providers and patients can trust.
- We specialize in toxicology (LCMS), molecular diagnostics, and blood testing, with results typically available within 24-48 hours. Our mission is to transform complex diagnostics into clear, actionable insights that support better healthcare outcomes.

Built on Quality and Continuous Improvement

Our commitment to quality includes:

CAP & API Proficiency Testing (PT)

Routine external assessments ensure accuracy and compliance with national standards.

Internal Comparison Studies

Ongoing cross-checks with instruments and external labs maintain precision across all testing platforms.

Six Sigma Methodology

 $Streamlined\ processes,\ minimized\ errors,\ and\ continuous\ data-driven\ improvements.$







Additional Elements Integrated at Ion Diagnostics:

- Continuous Quality Improvement (CQI)
- Error Prevention (Not Just Detection)
- Team Involvement & Accountability

At Ion Diagnostics, quality isn't just a goal. it's our standard. Accurate. Compliant. Proven.



Discover What Makes Ion Diagnostics Unique

At Ion Diagnostics, we operate at the vital intersection of clinical testing and patient care. As a CLIA and CAP accredited laboratory, we deliver accurate diagnostic results that empower healthcare providers to make informed decisions and improve patient outcomes

HIPPA Compliance

Ion Diagnostics leverages Six Sigma principles to ensure exceptional HIPAA compliance, achieving a 99.99966% accuracy rate in data security. Through the DMAIC (Define, Measure, Analyze, Improve, Control) framework, we continuously identify and eliminate privacy risks. This rigorous, data-driven approach ensures the highest standards of patient confidentiality and reinforces trust among patients, healthcare providers, and our laboratory.





Turn Around Time

lon Diagnostics ensures a 24–48 hour turnaround by eliminating workflow bottlenecks and reducing process variation. Real-time statistical monitoring maintains efficiency and quality, even during high-demand periods.



Scheduling a Tour at Ion Diagnostics Laboratory

lon Diagnostics is pleased to offer guided tours of our state-of-the-art laboratory. During your visit, you'll have the opportunity to:

- · Explore our high-tech facility and cutting-edge equipment
- Meet our team of experienced PhD scientists
- Observe the rigorous processes we follow to ensure precision, accuracy, and timely diagnostic results

Whether you're a healthcare partner, academic collaborator, or simply curious about advanced diagnostics, we welcome you to experience the science behind our commitment to excellence



Benefits of Joining Ion Diagnostics Laboratory

Joining Ion Diagnostics offers the advantage of working in a high-performance, accredited laboratory committed to precision, innovation, and impactful patient care.

Ion Diagnostics provides all necessary sample collection materials at no cost to your facility. We do not bill the facility for any testing services—only the patient's insurance is billed to cover the cost of the tests, ensuring a seamless and cost-effective process for your organization

PhD-Led Training and Expertise Clinical Consultation Services

Learn from experienced PhD scientists who lead our training programs.

Gain hands-on knowledge in advanced diagnostic testing methodologies.

Work in a lab that prioritizes scientific excellence and innovation.

Be part of a team committed to staying at the forefront of diagnostic science

Clinical Consultation Services

Access valuable insights from our on-staff pharmacists

Receive clinical consultation for medication management

Get support in evaluating drug interactions

Enhance treatment planning and improve patient outcomes

Advanced Logistics Solutions Continuous Innovation

Optimized specimen collection, transportation, and handling

Ensures sample integrity from collection to analysis

Real-time tracking of specimens throughout the process

Environmental monitoring to maintain optimal preservation

Maintains full chain of custody for compliance and accuracy



Continuous Innovation

Stay up to date with the latest diagnostic technologies and methodologies

Access accurate, efficient, and cutting- edge testing solutions

Benefit from seamless EMR integration for streamlined workflows

Gain a strategic advantage in clinical decision-making

Partner with a lab dedicated to turning diagnostics into a tool for better patient care

Secure, HIPAA-Compliant Access Anywhere

Our web-based physician portal is accessible 24/7 from any device. It streamlines test ordering and results—fast, efficient, paperless, and fully HIPAA-compliant.



Our Services

Advanced Toxicology & Laboratory Services

SPECIALIZED TOXICOLOGY EXPERTISE

Ion Diagnostics is a toxicology expert, offering advanced, accurate testing through our CLIA and CAP accredited lab. We deliver precise, actionable results with industry-leading turnaround times.

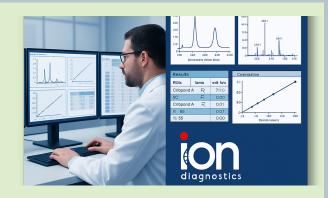
COMPREHENSIVE TESTING CAPABILITIES Quantitative & Qualitative Drug Screening

- Advanced urine drug screening with comprehensive panel options
- · Oral fluid testing for recent drug use detection
- Customizable testing panels to meet specific clinical requirements
- Definitive confirmation testing for positive screening results



LC-MS/MS Advanced Analysis

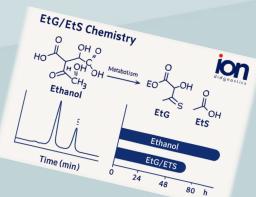
- · High-sensitivity liquid chromatography-tandem mass spectrometry
- Precise quantification of drug compounds and metabolites
- · Detection capabilities at nanogram/milliliter concentrations
- Differentiation between structural analogs and isomers



Need to detect recent alcohol use?

Our EtG/EtS testing offers accurate, fast, and dependable results.

Ion Diagnostics provides reliable Ethyl Glucuronide (EtG) and Ethyl Sulfate (EtS) testing to support the detection of recent alcohol consumption, ideal for clinical, forensic, and monitoring purposes





ION RESULTS REPORT

30600 Telegraph Rd. Suite 1375 Bingham Farms, Michigan 48025 Phone: (248) 720-4080 Fax: (248) 712-6100 CLI A# 23D2250013 CAP# 9386496

URINE DRUG LCMS CONFIRMATION TESTING

Patient Name Accession Patient DOB Results Date

ION1250000

Physician/Provider Patient Code Clinic Sample Type Received in Lab

Collection Date Prescribed Medications

PRESCRIBED - DETECTED								
Test	Conc(ng/mL)	Pos/Neg	Cutoff(ng/mL)	Detection Window				

PRESCRIBED - NOT DETECTED

Test Conc(ng/mL) Pos/Neg Cutoff(ng/mL) Detection Window

NOT PRESCRIBED - DETECTED Test Pos/Neg Cutoff(ng/mL) **Detection Window** Conc(ng/mL) AMPHETAMINE >1000 POS 100 3-5 days Amphetamine may arise from amphetamine containing drugs (eg. Adderall and Berzedrine) or by metabolism of methamphetamine and Vyvanse. METHAMPHETAMINE >1000 POS 100 3-5 days ILLICIT - Methamphetamine is identified with two isomers D Methamphetamine (RX and ILLICIT , Most common) and L Methamphetamine (Nasal inhaler over the counter) its detection may arise from methamphetamine-containing drugs(Desoxyn) Illicit (Crystal meth) or metabolism of selegiline, which is metabolized to both methamphetamine and amphetamine. Methamphetamine is metabolized to amphetamine. L Methamphetamine is currently known to be available in OTC nasal inhalers and will present as Methamphetamine in this test. Methamphetamine D/L isomer test needed to differentiate the two 463.41 THC is a cannabinoid. The presence of THC indicates use of cannabinoid containing drug (e.g. Marinol & Drabinol), or marijuana. тнс-соон >250 25 2-7 days, 30 days with chronic use THC-COOH is a cannabinoid metabolite. The presence of THC-COOH indicates use of cannabinoid containing drug (e.g. Marinol & Drabinol), or marijuana.

SUMMARY OF NEGATIVE TESTS PERFORMED

ANTIPSYCHOTICS: ARIPIPRAZOLE (<10 ng/mL), OPC-3373 (ARIPIPRAZOLE METABOLITE) (<40 ng/mL), CLOZAPINE (<25 ng/mL), HALOPERIDOL (<10 ng/mL), OLANZAPINE (<50 ng/mL), QUETIAPINE (<25 ng/mL), NORQUETIAPINE (<25 ng/mL), RISPERIDONE (<10 ng/mL)

ANTIDEPRESSANTS, OTHER: BUPROPION (<40 ng/mL), VENLAFAXINE (<40 ng/mL)

MUSCLE RELAXANT: CARISOPRODOL (<100 ng/mL), MEPROBAMATE (<100 ng/mL)

BENZODIAZEPINES: ALPRAZOLAM (<25 ng/mL), A-OH ALPRAZOLAM (<25 ng/mL), 7 AMINOCLONAZEPAM (<50 ng/mL), DIAZEPAM (<25 ng/mL), NORDIAZEPAM (<25 ng/mL), OXAZEPAM (<25 ng/mL), TEMAZEPAM (<25 ng/mL), FLUNITRAZEPAM (<50 ng/mL), LORAZEPAM (<25 ng/mL)

STIMULANTS: RITALINIC ACID (<100 ng/mL), METHYLPHENIDATE (<25 ng/mL), PHENTERMINE (<100 ng/mL).

NATURAL AND SEMI-SYNTHETIC OPIOIDS: CODEINE (<25 ng/mL), NORCODEINE (<25 ng/mL), MORPHINE (<25 ng/mL), HYDROMORPHONE (<25 ng/mL), HYDROCODONE (<25 ng/mL), NORHYDROCODONE (<50 ng/mL), DIHYDROCODEINE (<50 ng/mL), OXYCODONE (<25 ng/mL), NOROXYCODONE (<50 ng/mL), OXYMORPHONE (<25 ng/mL)

SYNTHETIC OPIOIDS: BUPRENORPHINE (<20 ng/mL), NORBUPRENORPHINE (<40 ng/mL), FENTANYL (<5 ng/mL), NORFENTANYL (<25 ng/mL), METHADONE (<25 ng/mL), EDDP (<25 ng/mL), MEPERIDINE (<100 ng/mL), NORMEPERIDINE (<50 ng/mL), PROPOXYPHENE (<25 ng/mL), TAPENTADOL (<25 ng/mL), TRAMADOL (<100 ng/mL), NORMEPERIDINE (<50 ng/mL), CORMETHYL TRAMADOL (<100 ng/mL), OODESMETHYL TRAMADOL (<50 ng/mL)

OPIOID ANTAGONIST: NALOXONE (<25 ng/mL), NALTREXONE (<50 ng/mL)

ILLICITS: 6-MAM (<10 ng/mL), BENZOYLECGONINE - COCAINE METABOLITE (<50 ng/mL), METHYLENEDIOXYAMPHETAMINE (MDA) (<100 ng/mL),

METHYLENEDIOXYETHYLAMPETAMINE (<100 ng/mL), MDMA (<100 ng/mL)

BARBITURATES: AMOBARBITAL (<200 ng/mL), BUTABARBITAL (<200 ng/mL), BUTALBITAL (<200 ng/mL), PHENOBARBITAL (<200 ng/mL), SECOBARBITAL (<200 ng/mL)

SPECIMEN VALIDITY TEST					
Test	Value	Test Outcome	Reference Range	Comments	
Creatinine	270.3	AbN ormal-High	20 - 200	> 300mg/dL may indicate kidney disease and/or renal failure	
Specific Gravity	1.0224	Normal	1.003 to 1.035		
pH	6.4	Normal	4.5 - 9		

DRUG SCREENING								
Test	Value	Test Outcome	Reference Range	C om ments				
Amphetamine	High	POS	< 500 ng/mL					
Cannabinoid	High	POS	< 50 ng/mL					

Negative Results: ETG NEG(< 500 mg/dL), Benzodiazepines NEG(< 200 ng/mL), Opiates NEG(< 300 ng/mL), Oxycodone NEG(300 ng/mL), Buprenorphine NEG(< 5 ng/mL), Fentanyl NEG(≥ 10.0 ng/mL), Methadone NEG(< 300 ng/mL), Methadone NEG(< 1000 ng/mL), 6-Acetylmorphine NEG(< 10 ng/mL), Cocaine Metabolite NEG(< 150 ng/mL), Barbiturates NEG(< 200 ng/mL)

Comprehensive Blood Testing Services

Understanding Your Health Through Advanced Blood Testing

Your blood holds the key to understanding your overall health and well-being. At our state-of-the- art laboratory, we offer comprehensive blood panel testing services designed to provide you and your healthcare provider with valuable insights into your body's functioning. Our blood panel tests are essential tools for preventive healthcare, early disease detection, and ongoing health monitoring



Why choose Our Blood Panel Services

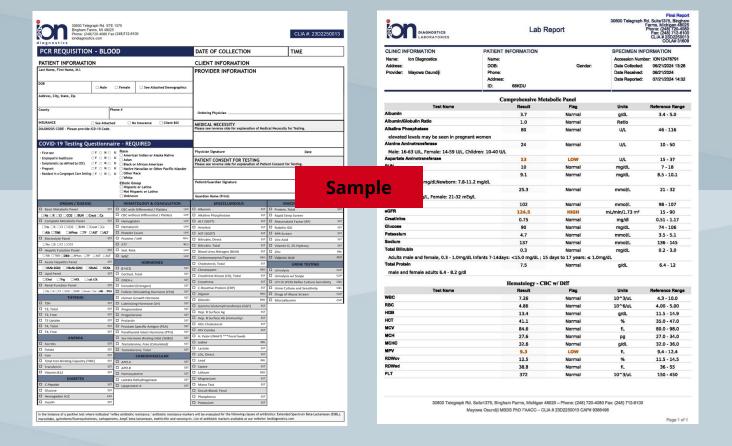
Our blood panel testing services utilize the latest technology and are conducted by experienced laboratory professionals. We pride ourselves on delivering accurate, timely results that help guide important healthcare decisions. Whether you're seeking routine health monitoring or investigating specific health concerns, our comprehensive blood panel services provide the information you need

Professional Phlebotomist Services

We understand that the blood collection process can be a source of anxiety for many patients. That's why we offer professional phlebotomist services to ensure your comfort and safety during the blood draw procedure. Our certified phlebotomists are:

- Highly trained in the latest blood collection techniques
- Experienced in working with patients of all ages, including children and elderly individuals
- Committed to maintaining the highest standards of safety and hygiene
- Available for on-site collection at medical facilities or mobile services as needed





Molecular (PCR) Testing

High-sensitivity detection for infectious diseases including respiratory, STI, and UTI panels

Infectious Disease Detection

Respiratory Pathogens: COVID-19, Influenza A/B, RSV



Sexually Transmitted Infections (STIs)

Chlamydia, Gonorrhea, Trichomonas, Mycoplasma, Ureaplasma, HPV

Urinary Tract Infections (UTIs)

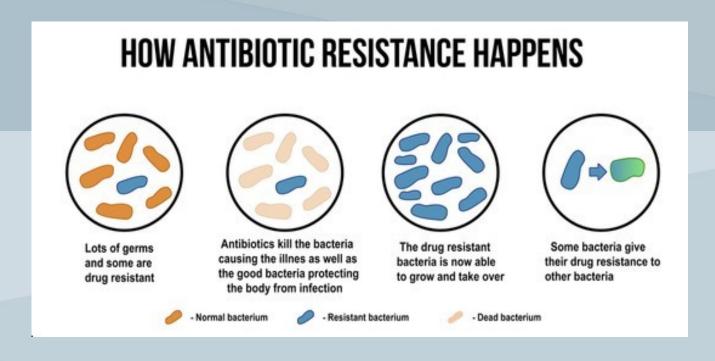
Bacterial identification and resistance gene detection

Advanced PCR Services with Antibiotic Resistance Support

Ion Diagnostics offers comprehensive PCR testing services that include support for identifying and managing antibiotic resistance. Our unique approach combines:

- **Al-Driven Algorithmic Recommendations** Precision-guided suggestions based on resistance profiles to support optimal antibiotic selection.
- **Live Pharmacist Consultations** Direct access to licensed pharmacists for personalized drug therapy guidance and consultation.

Together, these tools help providers make informed, evidence-based treatment decisions, faster and with greater confidence



Ion Diagnostics - Complete Laboratory Buildout Solutions from A to Z

At Ion Diagnostics, we don't just provide high-quality laboratory testing services. We also build fully operational labs from the ground up. Our expert team specializes in delivering CLIA-certified and CAP or COLA-accredited laboratories in as little as 60 to 90 days.

From lab design and equipment setup to method validation, SOP and policy development, HR support, staffing, and training, we manage every detail. We also provide comprehensive billing solutions, ensuring your lab is not only operational but also financially optimized and fully compliant with reimbursement protocols. In addition, our toxicology experts offer advanced data analysis and clinical consultation, bringing scientific depth and accuracy to your results.

Whether you're seeking dependable lab services or need a complete lab built and launched. Ion Diagnostics delivers both, with precision, speed, and full-service expertise from A to Z.

Ion Diagnostics is your trusted partner for clinical lab services, lab development, and backend operations. From setup to staffing, from data to billing. We deliver complete solutions that position your lab for long-term success.



Our Future Mission

Building upon our comprehensive laboratory services portfolio, Ion Diagnostics is committed to establishing strategic partnerships that align with our shared mission of reducing stigma and increasing awareness around behavioral health challenges.

Our approach includes a multi-faceted implementation strategy that prioritizes measurable impact, sustainability, and access. By integrating laboratory excellence with behavioral health initiatives, we aim to support more informed clinical decisions, improve patient outcomes, and promote long-term community wellness.

Ion Diagnostics and the Community

lon Diagnostics is committed to serving and uplifting communities by providing accessible, reliable laboratory services that support early diagnosis and improved patient outcomes. Beyond our clinical expertise, we actively collaborate with community partners to promote health education, reduce stigma around behavioral health, and raise awareness of critical health issues.

Our mission is to build lasting relationships that ensure our advanced laboratory solutions create real, positive impacts, driving healthier, stronger communities through innovation, outreach, and partnership

For More Information Visit

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In an exciting step to enhance our diagnostic capabilities, Ion Diagnostics has formed a strategic joint venture with Catalyst Diagnostics Laboratory. This partnership enables us to provide faster, more comprehensive, and innovative testing solutions, raising the standard of patient care and delivering greater value to the communities we serve.





