



DOC LAB  
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# THE DOC LAB DIFFERENCE

Your growth partner for diagnostic excellence



### Mission:

At Doc Lab, our mission is to elevate healthcare by providing advanced diagnostic solutions directly at the point of care. We empower healthcare providers with fast, accurate, and accessible testing, enhancing patient care and optimizing in-office lab management. Committed to reliable, efficient solutions, we help our clients achieve clinical excellence and maintain financial stability.

### Company History:

For nearly a decade, Doc Lab has specialized in developing lab solutions tailored to urology practices, starting with accurate, compliant in-office UTI testing. **Together with our clients, we executed a multi-clinic prospective study, demonstrating clinical utility and validity to ensure optimal patient testing and compliant reimbursement.** Our focus on diagnostic precision has since expanded to hospitals and other specialties, driven by our commitment to supporting healthcare providers and enhancing patient care across multiple fields.

### The Doc Lab Benefit:

With Doc Lab as your partner, you'll experience unparalleled support in navigating regulatory challenges, streamlining processes, and staying at the forefront of diagnostic excellence.

### The Doc Lab Difference:

Doc Lab is committed to empowering healthcare providers with rapid Point of Care (PoC) diagnostics. We believe in:



#### Comprehensive Partnership

We're not just a service provider; we're a dedicated ally invested in your practice's success.



#### Trust and Integrity

We pride ourselves on doing things right every time.



#### Continuous Innovation

We proactively bring new testing offerings to improve patient care.

Our goal is to make advanced testing more accessible, convenient, and rapid, ultimately improving patient outcomes and satisfaction.

### Services (brief overview):

Doc Lab offers a comprehensive suite of services designed to revolutionize in-office diagnostics:

**Equipping Practices:** We provide access to cutting-edge diagnostic technology, expert guidance in equipment selection, and flexible financing options.

**In-Office PoC Testing Setup:** Our team ensures seamless implementation of Point-of-Care testing, customized to your practice's needs.

**White Coat Lab Management:** We handle everything from personnel sourcing to regulatory compliance, allowing you to focus on patient care.

# Quantitative Urinalysis (QUA)

## Brief Overview:

Doc Lab's QUA program offers precision-driven urinalysis, providing detailed insights that go beyond traditional dipstick testing. This advanced method detects exact concentrations of key markers, enabling proactive patient care and opening new revenue streams for your practice.

### Key Benefits

#### Precision in Every Test

Detect the minutest markers for accurate, actionable results

#### Boosted Revenue

Enhanced diagnostics lead to better billing and ROI

#### Proactive Patient Care

Catch and address health concerns even before they manifest

#### Seamless Integration

Easily adapt to your existing in-house lab with minimal workflow changes

## How It Works:

Our advanced chemistry analyzers provide meticulous insights into urine samples, revealing not just the presence of certain markers but their exact concentrations. This allows for a nuanced understanding of a patient's health and paves the way for tailored interventions.

## Applications:

### QUA analyzes 12 key markers:

- Hemoglobin
- Glucose
- Microalbumin
- pH
- Microprotein
- Specific Gravity
- Creatinine
- Nitrite
- Bilirubin
- Beta-hydroxybutyrate
- Leukocyte esterase\*
- Urobilinogen\*



### The Doc Lab Difference for your QUA program:

**White Glove Implementation and Ongoing Support:** With changes in regulations and new LDT guidelines, Doc Lab can manage this process for you.

**New Gold Standard:** Shift towards early detection intervention with accurate diagnostics. Proactive and preventive healthcare.

**Expert team:** Dedicated to enhancing your practice's efficiency, patient satisfaction, and long-term growth.

## QUA vs. Dipstick: A Game-Changing Difference



vs

### Quantitative Urinalysis (QUA)

- Precision-driven results offering detailed insights
- Detects exact concentrations of key markers
- Enables proactive patient care through early detection
- Boosts potential revenue with enhanced diagnostics
- Avoid misinterpretations with normalized, accurate results
- Recognizes all ketone types, offering early intervention

### Dipstick Testing

- Broad overview, potentially missing finer details
- Limited detection range and accuracy
- Reactive, often missing early-stage issues
- Limited billing potential due to basic analysis
- Concentration-dependent, can lead to misdiagnosis
- Primarily detects ACAC, can miss crucial ketones

## QUA Sample Report Preview:

Test Name	Result	Units	Flag	Reference Range
Microalbumin	39.0	mg/dL	ABNORMAL	≤3.000
Glucose	17	mg/dL	NORMAL	≤50.000
Microprotein	196.0	mg/dL	ABNORMAL	≤15.000
Beta-hydroxybutyrate(ketones)	0.10	mmol/L	NORMAL	≤0.500
Bilirubin	0.30	mg/dL	NORMAL	≤1.000
pH	6.5		NORMAL	4.800-8.500
Specific Gravity	1.013		NORMAL	1.003-1.025
Creatinine	113.19	mg/dL	NORMAL	20.000-300.000
Hemoglobin	17246	ug/dL	ABNORMAL	≤30.000
Nitrite	163	mg/L	ABNORMAL	≤100.000
Test Name	Result	Units	Flag	Reference Range
Albumin/Creatinine Ratio, Random Urine	344.553	mg/g	SEVERELY INCREASED	<30.000
Protein/Creatinine Ratio, Random Urine	1731.6	mg/g	SEVERELY INCREASED	<150.000

# Molecular Testing

## Brief Overview:

Doc Lab's advanced Molecular Diagnostic Testing employs cutting-edge Polymerase Chain Reaction (PCR) technology to provide healthcare professionals with precise, rapid diagnostic results. This highly sensitive testing method amplifies small amounts of DNA, enabling accurate detection of infectious agents, and crucial biomarkers for informed treatment decisions.

### Key Benefits

#### Unparalleled Accuracy

Enhanced precision in detecting pathogens and antibiotic resistance markers

#### Cost-Effective

Early detection leads to improved outcomes and reduced healthcare costs

#### Rapid Results

Quick turnaround times enabling faster treatment decisions

#### Comprehensive Detection

Identifies pathogens that traditional cultures might miss

#### Antibiotic Stewardship

Resistance gene detection for optimal antibiotic selection

## How It Works:

Unlike traditional culture methods, PCR provides definitive results even for difficult-to-culture organisms, offering a more complete picture of infections and antibiotic resistance patterns.

## Applications:

### Our comprehensive UTI PCR testing menu includes Pathogen Detection for:

- Acinetobacter baumannii
- Candida (various)
- Chlamydia trachomatis
- Citrobacter freundii/braakii
- Citrobacter koseri
- Enterococcus spp. faecium/faecalis
- Escherichia coli
- Gardnerella vaginalis
- Klebsiella pneumoniae/okytoca

- Mycoplasma genitalium
- Neisseria gonorrhoeae
- Proteus mirabilis/vulgaris
- Pseudomonas aeruginosa
- Serratia marcescens
- Staphylococcus aureus
- Staphylococcus (coagulase negative)
- Staphylococcus saprophyticus
- Streptococcus agalactia (group B)
- Streptococcus pyogenes
- Trichomonas vaginalis
- Ureaplasma urealyticum

## Applications:

### STI PCR testing menu includes Pathogen Detection for:

- Mycoplasma genitalium
- Chlamydia trachomatis
- Neisseria gonorrhoeae
- Trichomonas vaginalis

### The Vaginitis PCR testing menu includes Pathogen Detection for:

- Gardnerella vaginalis (GV)
- Pan Candida (albicans, dubliniensis, parapsilosis, tropicalis)
- Mycoplasma hominis (MH)
- Trichomonas vaginalis (TV)

### Resistance Marker for:

- ACT, MIR, FOX, ACC, Groups (β-lactams)

- Class A β-lactamase; blaKPC
- Class B metallo-β-lactamase; blaNDM
- Class D oxacillinase OXA-48, OXA-51
- Dfr (A1, A5) sul (1, 2) probes (Sulfamethoxazole and trimethoprim)
- ermB, C; mefA
- IMP, NDM, VIM Groups (Carbapenem)
- PER-1/VEB-1/GES-1 Groups (ESBL)
- qnrA1, A2
- qnrB
- qnrS
- tetB, tetM
- Vancomycin (vanA, vanB)
- MRSA\* Mec-A
- Methicillin/Oxacillin (mecA)

## The Doc Lab Difference for your Molecular Program:

**White Glove Implementation and Ongoing Support:** With changes in regulations and new LDT guidelines, Doc Lab can manage this process for you.

**New Gold Standard:** Shift towards early detection intervention with accurate diagnostics. Proactive and preventive healthcare.

**Expert Team:** Dedicated to enhancing your practice's efficiency, patient satisfaction, and long-term growth.



### PCR (Polymerase Chain Reaction)

- Quick results expedites treatment decision
- Enhanced accuracy minimizes false results
- Resistance gene detection for antibiotic selection
- PCR provides actionable results
- Promotes antibiotic stewardship

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### Culture & Sensitivity

- Extended turnaround time postpones treatment
- Higher potential for false negatives
- Cultures may overlook pathogens that resist cultivation
- Elusive/slow growth pathogens result as "no growth." Slow resulting creates poor antibiotic stewardship



## Pharmacogenomics (PGx) Testing

### Brief Overview:

Doc Lab's Pharmacogenomics (PGx) testing revolutionizes patient care by analyzing how individual genetic profiles influence medication responses. This cutting-edge service enables healthcare providers to optimize drug therapy, leading to personalized treatment plans that enhance patient outcomes and safety.

### Key Benefits

#### Precision Medicine

Match patients with the right drug and dose at the right time

#### Enhanced Safety

Prevent adverse drug events that cause millions of hospital visits yearly

#### Reduced Risk

Minimize adverse drug reactions and complications

#### Cost-Effective

Eliminate trial-and-error prescribing

### How It Works:

PGx testing analyzes specific genetic variations that influence medication response, considering both genetic and non-genetic factors:

#### Genetic Factors:

Individual genetic markers  
Inherited traits affecting drug metabolism

#### Non-Genetic Factors:

Age and gender  
Liver and kidney function  
Nutritional status

Drug interactions  
Disease status  
Lifestyle factors

### Applications:

Our comprehensive PGx panel covers medications across multiple therapeutic areas:

#### Key Medication Categories:

- Cancer Treatments
- Infectious Disease Medications
- Antidepressants
- Pain Management
- Cardiovascular Medications
- Psychiatric Medications
- Anticoagulants
- Steroids
  - Progesterone, Testosterone, Estradiol
- Urologicals - 5-Alpha Reductase Inhibitors
  - Finasteride (Proscar)
- Urologicals- Alpha-Blockers
  - Doxazosin (Cardura), Silodosin (Rapaflo), Tamsulosin (Flomax), Terazosin (Hytrin)
- Urologicals- Antispasmodics for OAB
  - Solifenacin (Vesicare), Oxybutynin (Ditropan), Darifenacin (Enablex), Tolterodine (Tolterodine), Mirabegron (Myrbetriq)
- Urologicals- Erectile Dysfunction
  - Sildenafil (Viagra), Vardenafil (Levitra), Avanafil (Stendra), Tadalafil (Cialis)

## Cytology/F.I.S.H.

**Test Name: Cytology & Fluorescence In Situ Hybridization (FISH)**

### Brief Overview:

Doc Lab is at the forefront of innovation in bringing molecular testing on-site to clinics. Our FISH test is designed to aid in the initial diagnosis of bladder cancer for patients presenting with hematuria. It is designed to detect abnormalities in chromosomes 3,7,17 and the loss of the 9p21 locus via FISH.

### Key Benefits

#### Enhanced Accuracy

FDA approved and meets all rigorous qualifications for clinical utility and validity

#### Reimbursement

Retain reimbursement in-house without sending out your FISH testing to a third-party lab

#### Rapid Results

Faster turnaround compared to traditional testing methods

#### Comprehensive Analysis

Detailed cellular and chromosomal examination

#### Easy Collection

Non-Invasive, urine specimen

#### Treatment Guidance

Inform targeted therapy decisions

#### Early Detection

Identify potential bladder cancer in those presenting with hematuria in all age groups, leading to increased survival rates

### How It Works:

Our dual-approach methodology combines:

#### Cytology:

- Microscopic examination of cells
- Evaluation of cell structure and characteristics
- Detection of cellular abnormalities

#### FISH Analysis:

- Fluorescent probes target specific DNA sequences
- Visualization of chromosomal changes
- Identification of genetic markers

#### Technical Excellence:

- State-of-the-art imaging systems
- Advanced molecular testing platforms
- Comprehensive quality control measures
- Detailed, clinically relevant reporting

#### Clinical Benefits:

- Accurate diagnosis and staging
- Informed treatment decisions
- Monitoring of treatment effectiveness
- Early detection of recurrence
- Improved patient outcomes








## Benefits of Point of Care (PoC) testing:

Point of Care (PoC) testing represents a transformative advancement in healthcare, bringing sophisticated lab diagnostics directly to the patient's bedside or physician's office for rapid, actionable results. By enabling real-time diagnostics, PoC testing significantly reduces wait times and elevates patient care.

At Doc Lab, we're leading this diagnostic shift with state-of-the-art PoC solutions, empowering healthcare providers to deliver faster, more efficient, and personalized care for their patients.

## Benefits of Physician Owned Labs (POLs) and bringing testing in-house:

Implementing in-house testing through Doc Lab's solutions offers numerous advantages for healthcare providers and their patients:

-  • **Rapid Results:** Obtain test results within minutes or hours instead of days, enabling quicker diagnosis and treatment.
-  • **Improved Patient Outcomes:** Faster diagnoses lead to earlier interventions and better health outcomes.
-  • **Enhanced Patient Satisfaction:** Reduce patient anxiety and multiple visits by providing same-day results and treatment plans.
-  • **Increased Practice Efficiency:** Streamline your workflow by eliminating the need to send samples to external labs and follow up on results.
-  • **Cost Savings:** Reduce expenses associated with external lab services and unnecessary follow-up appointments.
-  • **New Revenue Streams:** Generate additional income by offering a wider range of diagnostic services directly in your practice.
-  • **Competitive Advantage:** Stand out in the healthcare market by offering advanced, on-site diagnostic capabilities.

## The benefit of working with Doc Lab

By partnering with Doc Lab, you're not just bringing testing in-house; you're gaining a dedicated ally committed to elevating your practice, navigating challenges, and ensuring you're always at the forefront of diagnostic excellence.

**Experience the Doc Lab difference** – where cutting-edge technology meets unparalleled support, empowering you to provide the highest standard of care while optimizing your practice's efficiency and profitability.

## Doc Lab's Comprehensive Services

At Doc Lab, we don't just provide testing equipment; we offer a complete, end-to-end solution for bringing advanced diagnostics into your practice. Our comprehensive services include:

### Equipment Selection

We understand that each practice is unique. Our team of experts works closely with you to assess your specific needs and recommend the most suitable diagnostic equipment. We provide:

- Access to cutting-edge diagnostic technology
- Expert guidance in equipment selection
- Comprehensive staff training
- Ongoing technical support and maintenance
- Flexible financing options

### Setting up the Physician-Owned Lab (POL)

Transitioning to in-house testing is made seamless with our Doc In A Box program. We handle every aspect of setting up your Physician-Owned Lab, including:

- Space planning and lab design
- Equipment installation and calibration
- Workflow integration
- Initial stock of supplies and reagents
- Comprehensive documentation and standard operating procedures

### Regulatory and Compliance

Navigating the complex landscape of laboratory regulations can be challenging. Our team of compliance experts ensures your lab meets all necessary standards:

- CLIA certification assistance

- CAP, COLA, and CSLI accreditation support
- LDT and FDA submission support
- Regular updates on changing regulations
- Assistance with inspections and audits
- Risk management and quality assurance protocols

### White Coat Lab Management

Our White Coat Management service allows you to focus on patient care while we handle the day-to-day operations of your lab:

- Experienced personnel sourcing and management
- Inventory and supply management
- Billing and reimbursement optimization
- Ongoing process improvement
- Performance monitoring and reporting

### Full Ongoing Support

Our commitment to your success extends far beyond the initial setup. We provide comprehensive, long-term support to ensure your in-house lab continues to thrive:

- Ongoing technical support
- Regular maintenance and calibration services
- Continuous training and education for your staff
- Updates on new testing capabilities and industry trends
- Personalized consulting for growth and expansion



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# JUMP TO THE FOREFRONT OF **DIAGNOSTIC EXCELLENCE**

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