URINALYSIS LAB FORWARD

TAKE THE NEXT STEP
TOWARD URINE MICROSCOPY

Beckman Coulter
Iris
MOVING URINALYSIS FORWARD

Today’s Microbiology Departments need both advanced technology and truly innovative strategies. That’s why Beckman Coulter offers Iris, a complete urine testing solution. Iris optimises and advances urinalysis and body fluid testing through an advanced, propriety and proven technology called Digital Flow Morphology. Quality, Performance, Reliability and Functionality are the key benefits of Iris’ testing solution. Using Digital Flow Morphology, Iris empowers laboratories to accelerate delivery of accurate patient results, reduces unnecessary repeat testing and manual operator intervention. That’s workflow improvement your laboratory can count on.

A SINGLE URINE PARTICLE PICTURE BRINGS PERFORMANCE AND STANDARDISATION

AUTOMATED Technology for Today’s Challenges

Automating urine microscopy in Microbiology Laboratories using the iQ200 series analysers increases efficiency, enables skilled technologists to manage multiple tasks simultaneously, which drives overall productivity, while maintaining accurate, secure and quality results.
CLEAR AND ISOLATED URINE PARTICLE IMAGES BRING QUALITY FORWARD

**Discover the INNOVATIVE Technology that Makes the Difference with SINGLE Digital Images**

The Iris iQ200 series of urine microscopy analysers deliver precise isolated digital images of the particles using a proprietary technology, Digital Flow Morphology. This flow-imaging microscopy technology uses a high-definition digital camera to capture individual images of each particle in a sample.

Using these images, the particles are automatically classified by the Auto-Particle Recognition (APR) Software for quick on-screen verification, if required. It provides reliable and high quality results and virtually eliminates the need for manual microscopic examination.

**Edit Free Release (EFR) Technology**

EFR improves workflow and standardisation

› Highlight particles for review, where user intervention may make a clinical difference
› Allow targeted use of operator effort
› Improve standardisation and productivity with automatic validation

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Below the minimum verification value
Results are accepted as **Normal**

Results need to be reviewed **on-screen** by the operator

Results are above the maximum value
Results are accepted as **Abnormal**
A Solution For **EVERY WORKLOAD** and Laboratory

Investing in the innovative Iris urinalysis automation system helps to achieve your institution’s fiscal goals by lowering your operating budget, increasing staff efficiency and supporting enhanced disease management through advanced technology.

The iQ200 series analysers are designed for **all volume workloads**, producing shortened turnaround times and standardised results.

**High throughput analyser**

- iQ200SPRINT: 101 Microscopy samples / hour

**High walk away capabilities**

- Up to 210 samples can be load into the system with optional load and unload stations.

**One of the lowest review rates in the industry**

- Optimised workflow and turnaround time

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**iQ200SPRINT**

- 101 Microscopy samples / hour

**iQ200ELITE**

- 70 Microscopy samples / hour

**iQ200SELECT**

- 40 Microscopy samples / hour
SEE the Clear Advantages

Improved Workflow
› Time savings: virtually eliminates manual microscopy and minimises repeat testing
› Auto-release of normal results to the LIS based on customised parameters
› Analyse urine and body fluids in the same run
› Automation delivers walk-away efficiency with ability to load up to 210 samples at the same time*

Increased Clinical Confidence and Performance
Global experience in urine microscopy
› Quality: Results correlate with the Gold standard method (manual microscopy)
› Proven technology: Proprietary software auto-classifies and quantifies 12 urine particles, plus sub-classification of 27 particles

Cost Saving
› Reduce unnecessary culture of negative urine samples for UTI screening
› Store archived images for patient monitoring and technologist training

*Available with systems upgraded with optional load and/or unload stations
SOLUTION COMPLIANT with the ISO 15189 Directive

Traceability of patient data and QC
Detailed audit trail of:
› Rack numbers and position of tube on the rack
› Any modifications to results when doing on screen verification
› Diluted samples with specific dilution labels
› Levy-Jennings charts, reagents and consumables with lot number, expiration date...

UTI (Urinary Tract Infection) Screening
Reduced Unnecessary Urine Cultures
› UTI screening feature correlates with gold standard method (culture)¹
› Less unnecessary work and wasted time: Maximises labour resources by identifying samples not likely to require a urine culture

Boost the Technical Performances of Your iQ200 Analyser with iQ Clear*

Performance - Productivity
› Improved wash cycle for every urine sample with no impact on throughput
› Allows the lab to move to LEAN operating procedures

Value
› No impact on consumable consumption, even with extra wash
› No impact on the final volume of bio hazardous waste
› Optimise the LEAN organization of the urinalysis bench

*Optional feature

iQ BODY FLUIDS Module

Exclusively from Iris, the Iris iQ200 Body Fluids Module† provides automated red blood cell counts and nucleated cell counts in cerebrospinal fluids, serous fluids and synovial fluids to provide accurate results without compromising performance. Body fluid particles are also processed by Digital Flow Morphology. This fully automated digital imaging solution delivers unmatched quality and accuracy.

† Approved for in-vitro diagnostic use by the U.S. Food and Drug Administration
URINE Chemistry

Iris offers a range of urine chemistry solutions, from easy-to-read visual strips to a fully automated urinalysis chemistry system.

iChemVELOCITY Urine Chemistry System

The iChemVELOCITY system evaluates all 12 of the standard urine chemistry parameters, including glucose, protein, bilirubin, urobilinogen, pH, specific gravity, blood, ketones, nitrite, leukocyte esterase, colour, clarity and the presence of ascorbic acid, a potential interfering substance.

Take the Next Step Toward Innovation.

Available from Beckman Coulter, Iris urinalysis solutions help move laboratories forward. Our technology lowers manual review rates and enables true standardisation for optimised end-to-end workflow and increased efficiencies.
References:
1. Gibbons SJ. Integration of the all features of the IRIS iQ200 sprint reduces urine culture rate. West Suffolk NHS Hospital. ECCMID 2012

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