

Automated Urinalysis System

UN-2000™

Thoughtful automation for a
new level of standardization
and workflow efficiency





UN-2000™

Standardization and workflow efficiency

Fluorescence flow cytometry offers highly reliable, precise and accurate particle differentiation and counts for your urine samples. Using imaging analysis alone means you have to look at the images of all the samples. By combining urine flow cytometry with digital imaging, the Sysmex UN-2000 offers today's lab a highly standardized and more efficient process for urine sediment analysis. The UN-2000 also offers simplified and consolidated quality control with BeyondCare Quality Monitor (BCQM). The first quality management system of its kind, BCQM streamlines the end-to-end process of running controls and reviewing results while taking the guesswork out of quality control management.

Scalable automation

First-pass accuracy and unprecedented workflow efficiency

- Increase throughput by connecting more than one module together
- Multiple instrument configuration options offer simple upsizing and downsizing
- Decreased specimen handling and result data entry minimizes the risk of clerical errors

Total Integration with Sysmex WAM

Data, connectivity and workflow management solution

- Standardization of testing protocols and result management across your entire healthcare organization
- Seamless connectivity of multi-disciplinary instruments across multiple sites to one or more laboratory information systems (LIS)
- Improve operations, workflow, and productivity with on demand management reports



UF-5000™

Fully Automated Urine Particle Analyzer

State-of-the-art technology from the laboratory workflow experts

- Eliminate time consuming hands-on review by screening for samples with pathological elements
- STAT and routine sample modes for flexibility in loading
- Low specimen volume requirements, ideal for pediatric population testing
- Powerful blue (488nm) laser which offers enhanced detection and differentiation of particles, especially bacteria
- Two new analysis channels, to enhance the specificity and sensitivity of particle detection in urine sediment

- Five reportable and five flagged parameters
- Measures the scatter of depolarized light, improving detection of crystals
- Enhanced Waveform Analysis for increased performance in the differentiation of casts
- Clear reagent status indication and results display on screen
- RFID labeled fluorescent stain reagents for efficient reagent management
- Can be used as a standalone analyzer or combined as part of the modular UN-Series



UD-10™

Fully Automated Urine Particle Digital Imaging Device

- Customize reflex criteria according to your lab's needs
- No centrifugation – Uses gentle sedimentation by gravity
- High-quality digital camera provides detailed images of urine particles
- Flexibility in viewing full field and/or individual particle images for improved classification
- Large evaluated number of particles for high sensitivity and reliability of results
- Intelligent data management with the Urinalysis Data Manager software (UDM), standard on all configurations



BeyondCareSM Quality Monitor (BCQM)

Quality control – simplified, consolidated

- Standardize laboratory QC practices to help minimize downtime
- Access valuable peer group analytics and lot-to-lot quality control management
- Red, yellow and green color-coded alerts intuitively track and annotate quality control, simplifying compliance.
- Provides automatic alerts when QC data exceeds target
- Reminds users when QC needs to be performed
- Customizable shift activity and QC statistical reports



UF-5000

KEY SPECIFICATIONS

TECHNOLOGY

- Fluorescence flow cytometry with blue semi-conductor laser and hydrodynamic focusing in two different channels

QUANTITATIVE REPORTABLE PARAMETERS

- WBC, RBC, Epithelial Cells, Cast, Bacterial

FLAGGED PARAMETERS

- Crystals, Sperm, Pathologic Cast, Yeast Like Cell, Mucus

THROUGHPUT

- Max 105 samples / hour

STAT FUNCTION

- Available

SAMPLING VOLUME

- Sampler mode: 2 mL
- STAT mode: 0.6 mL

ASPIRATION VOLUME

- 450µL in all modes

SAMPLER UNIT CAPACITY

- Integrated stand-alone sampler: 50 samples/loading area; 70 samples/exit area modular sampler: 80 samples/each area

DATA MANAGEMENT

- UDM (Urinalysis Data Manager)
- Sysmex WAM Optional

OPTIONS

- Connection of UF-5000 and or UD-10 wagon(s), rack entry and rack exit units

DIMENSIONS/WEIGHTS

UF-5000 main unit including CV-11 sampler:

- Approx: 26" x 36" x 35" / 232lbs. (w x d x h)/wt.



UD-10

KEY SPECIFICATIONS

TECHNOLOGY

- Digital imaging with stage scanning method (native urine)

THROUGHPUT

- Normal Mode: 50 samples / hour
- Precise Mode: 30 samples / hour

STAT FUNCTION

- Available

SAMPLING VOLUME

- Sampler mode: 1.6 mL
- STAT mode: 0.6 mL

ASPIRATION VOLUME

- 300µL in all modes
- Normal mode: Approx. 1µL
- Precise Mode: Approx. 2µL

IMAGING PERFORMANCE

- Normal mode: 40 Field Images / Sample
- Precise Mode: 80 Field Images / Sample

SAMPLER UNIT CAPACITY

- 80 samples each in the rack entry and exit area (modular sampler)

DATA MANAGEMENT

- UDM (Urinalysis Data Manager)
- Sysmex WAM Optional

OPTIONS

- Connection of UF-5000 and or UD-10 wagon(s), rack entry and rack exit units

DIMENSIONS/WEIGHTS

UD-10 main unit including CV-11 sampler:

- Approx: 26" x 36" x 35" / 196lbs. (w x d x h)/wt.

UN-2000 (benchtop):

- Approx. 52" x 36" x 35" / 428lbs. (w x d x h)/wt.

UN-2000 (on optional wagon):

- Approx. 52" x 36" x 61" (w x d x h)

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