



UF-UD

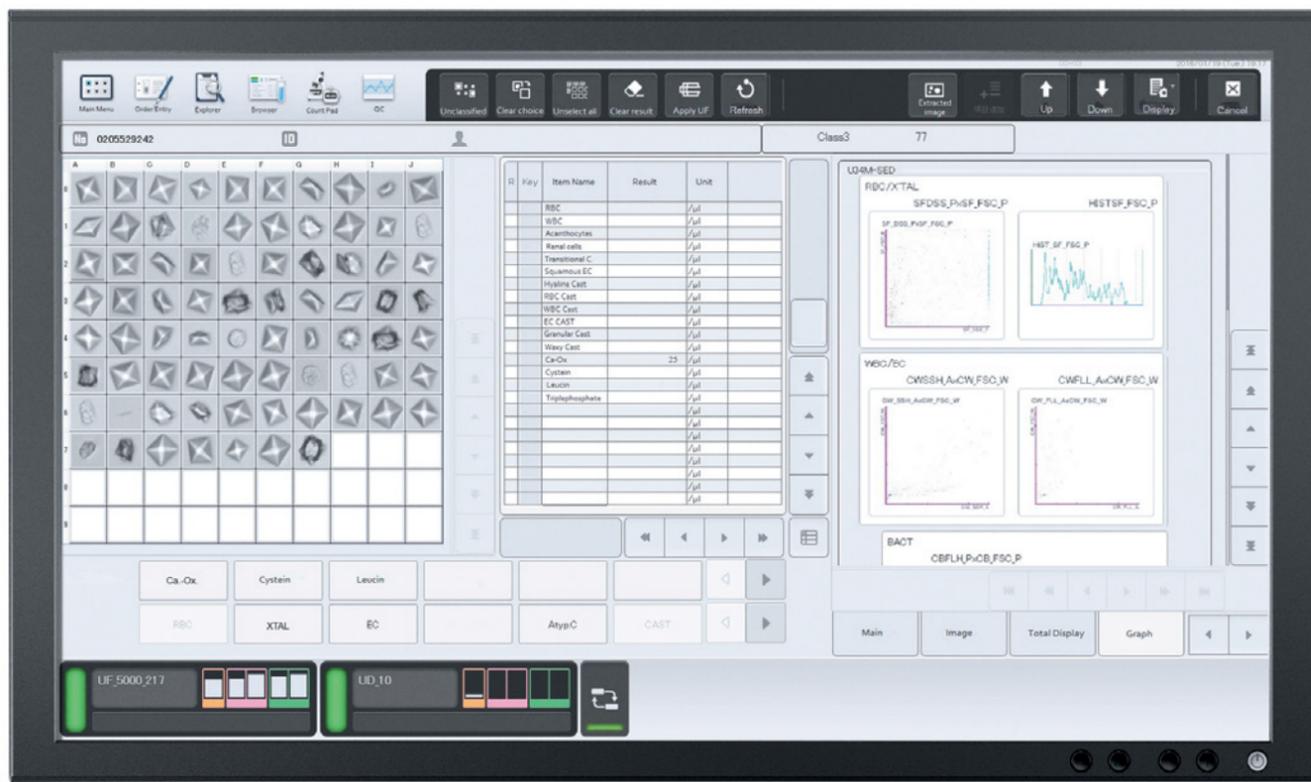


UF-5000/UF-4000 + UD-10

Fully automated urine particle analysis



Shaping the Advancement of Healthcare



What digital imaging device UD-10 can do for you in urinalysis

Innovative technology for great analysis results

- Always combined with UF-5000/4000 for a truly complete urine particle analysis
- Fully automated digital imaging improves the workflow in your urinalysis laboratory
- Individual trigger criteria according to your needs
- No centrifugation – uses gentle sedimentation by gravity
- High-quality images by a CCD camera with 2 million pixels allow a detailed view of urine particles
- Large evaluated number of particles for a high sensitivity and reliability of results

View crucial particles with suspected renal diseases

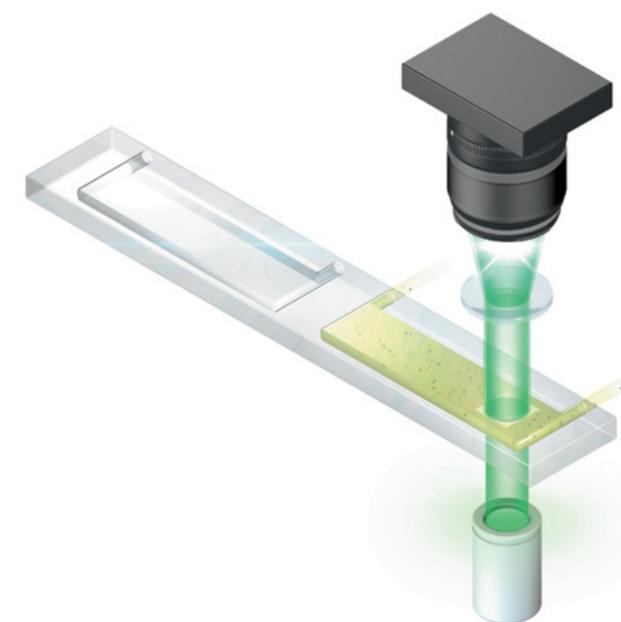
- Confirm suspicion of renal disease – identify pathological casts and deformed RBC such as acanthocytes
- Confirm suspicion of urolithiasis – sub-classify and differentiate types of crystals

Smarten up your sediment workflow

Images only when needed

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 of the samples, which makes it eventually tedious like microscopy, with the inherent risk of overlooking pathological results. Surely you don't want and shouldn't need to check each sample on a screen or under the microscope. Combining urine flow cytometry with digital imaging offers the best possible way you can do urine sediment analysis today.

Sensitive analysis and flagging ensures the pathological results are brought to your attention. With our solution, you only look at those samples and particle types that you wish to investigate further. User-definable rule settings allow you to control the process just as you wish. Like this, your workflow does not slow down while you can be sure that you do not overlook any pathological samples. That's smart sediment analysis. Plus this kind of workflow has been state of the art in haematology for a long time. No more manual microscopy – promised.



Key benefits

Modular and scalable

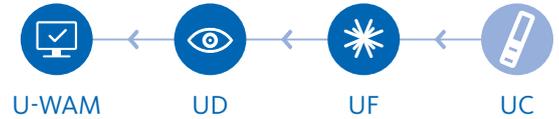
- Multiply your throughput by connecting more than one UF with one or more UD-10 together
- Extend your urinalysis workflow automation by adding a urine chemistry analyser

Automated workflow

- Final image classification, only of particles needing morphological investigation
- No more hands-on sediment analysis

Intelligent data management

- Complete result display incl. graphics and images on one screen
- Workflow management and result interpretation based on individual rule setting



Key specifications UD-10

Technology	digital imaging with stage scanning method (native urine)
Throughput	normal mode: max. 50 samples / hour precise mode: max. 30 samples / hour
STAT function	available
Sampling volume	sampler mode: 1.6 mL STAT mode: 0.6 mL
Aspiration volume	300 µL in all modes
Analysis volume	normal mode: approx. 1 µL precise mode: approx. 2 µL
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	U-WAM (Urinalysis Work Area Information Management System)
Options	connection of UC-3500 and/or UF-5000/4000 and/or UD-10 wagon(s), rack entry and rack exit units
Dimensions / weights	UD-10 main unit incl. CV-11 sampler: approx. 640 x 872 x 900 / 89 UD-10 with UF-5000/UF-4000: approx. 1,280 x 872 x 900 / 179

Design and specifications may be subject to change due to further product development. Changes are confirmed by their appearance on a newer document and verification according to its date of issue.

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