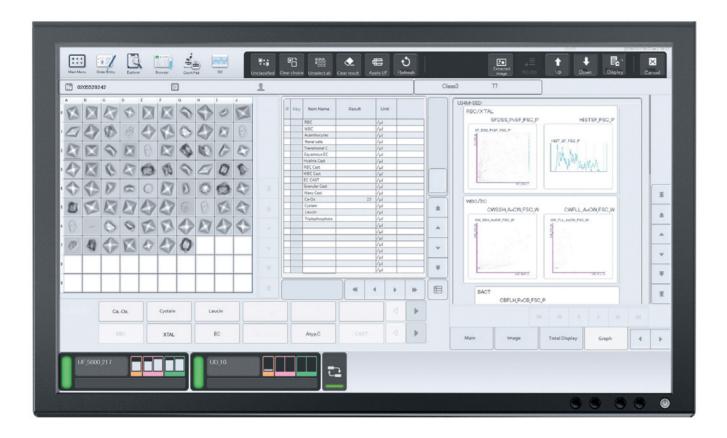




UF-5000/UF-4000 + UD-10

Fully automated urine particle analysis





Smarten up your sediment workflow

Images only when needed

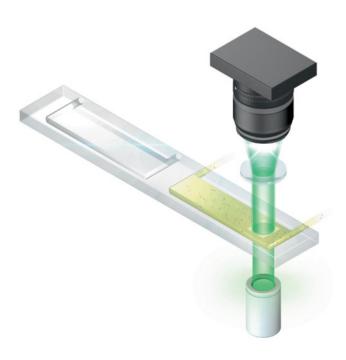
Fluorescence flow cytometry offers highly reliable, precise and accurate particle differentiation and counts for your urine samples. Using imaging analysis alone means you have to look at the images of all of the samples, which makes it eventually tedious like microscopy, with the inherent risk of overlooking 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.

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

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: o.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

 W x H x D [mm/kg]
 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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