



UF



UF-5000

Fully automated urine flow cytometer



Shaping the Advancement of Healthcare

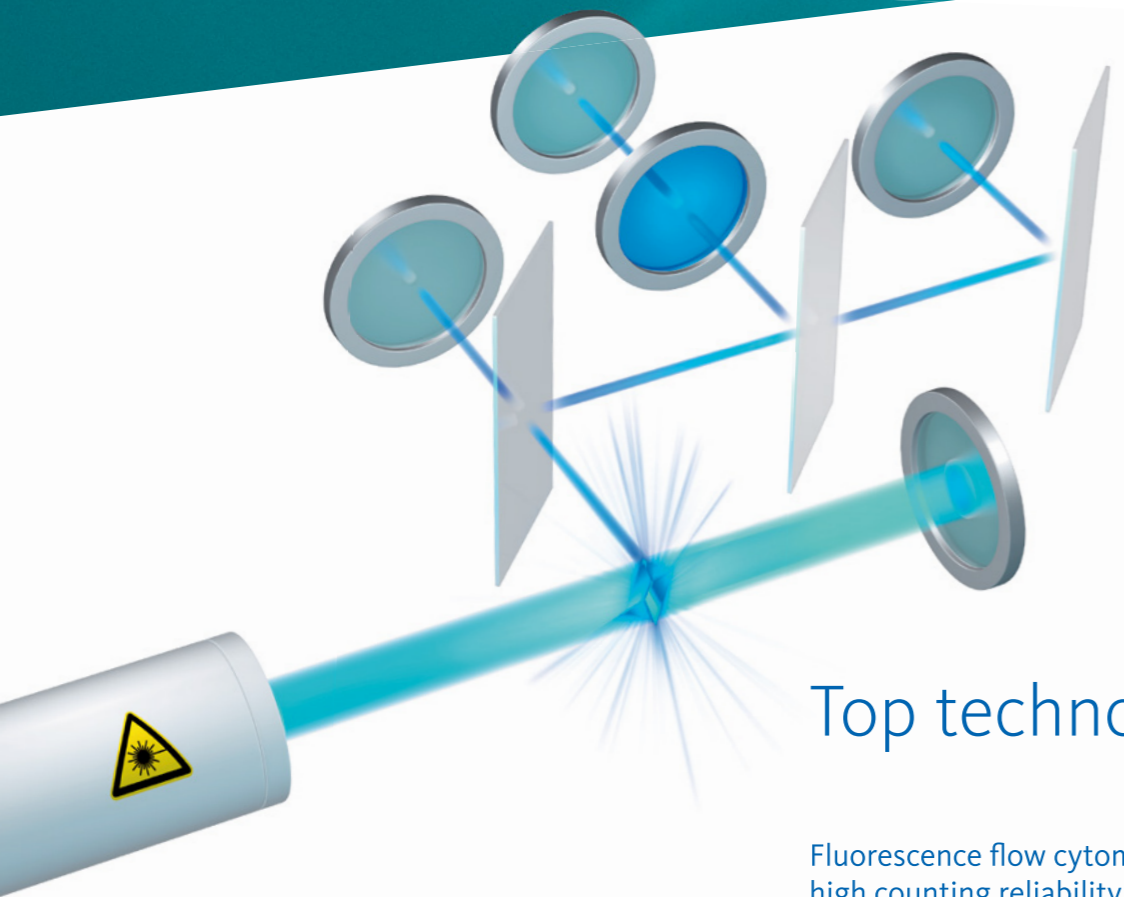
What's in it for you?

Sensitive and fast urinary sediment analysis

Rely on thousands of particles counted and classified from your native urine samples

Body fluid analysis always on board

Accelerate and standardise analysis of your most delicate samples



Top technology

Fluorescence flow cytometry for high counting reliability

Superior differentiation of particles:

- Powerful blue (488 nm) laser
- Two different analysis channels
- All particles are analysed by multiple signals
- Depolarised side scattered (DSS) light signal

Fast, precise and accurate analysis

Substantial diagnostic information

- Quantitative, highly sensitive and specific bacteria count incl. differentiation according to Gram-stain behaviour; helps decrease bacterial antibiotic resistance
- Differentiation of epithelial cells and casts – direct counts for squamous, non-squamous, transitional and renal tubular epithelial cells, as well as hyaline and pathological casts
- Marked discrimination between red blood cells and crystals by the new DSS signal



Intelligent data management with U-WAM

- Clear reagent status indication and result display on one screen
- Rule-based workflow management and result interpretation

Valuable body fluid analysis

- Quantitative bacteria determination – delivers immediate answers for bacterial infections
- White blood cell differentiation into mononuclear and polymorphonuclear cells – find the root cause of infections faster



State-of-the-art reagent and QC management

- Stay on the safe side with our SNCS network – daily external QC without any additional measurement
- New cartridge system with RFID labels makes changing reagents safe and easy



Key benefits

Modular and scalable

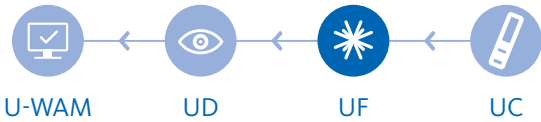
- Automate your urinalysis workflow by adding the components you need: UC-3500 and/or UD-10, all controlled by U-WAM
- Multiply your throughput by connecting more than one UF-5000 together

Superior diagnostics

- Superb differentiation of urine particles
- Up to 27 parameters per urine sample
- Know about UTI in less than a minute

Powerful body fluid analysis

- Available 24/7 by the switch of a button
- No sample pre-treatment necessary
- Nine parameters incl. bacteria count and WBC differentiation



Key specifications

Technologies

fluorescence flow cytometry with blue semi-conductor laser and hydrodynamic focussing in two different channels
conductometry

Parameters

Urine

RBC, NL RBC, WBC, WBC Clumps, EC, Squa.EC, Non SEC, Tran.EC, RTEC, CAST, Hy.CAST, Path.CAST, BACT, X'TAL, YLC, SPERM, MUCUS, Lysed RBC, SRC, DEBRIS, conductivity, osmolality, ...
Flags: RBC-Info, BACT-Info, UTI-Info

Body fluid

RBC, WBC, MN#, MN%, PMN#, PMN%, EC, TNC, BACT

Throughput

urine: max. 105 samples / hour
body fluid: max. 20 samples / hour

Sampling volume

sampler mode (urine): 2 mL
STAT mode (urine/body fluid): 0.6 mL

Aspiration volume

450 µL 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

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

W x H x D [mm/kg]

main unit incl. sampler:
approx. 760 x 855 x 754 / 90

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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