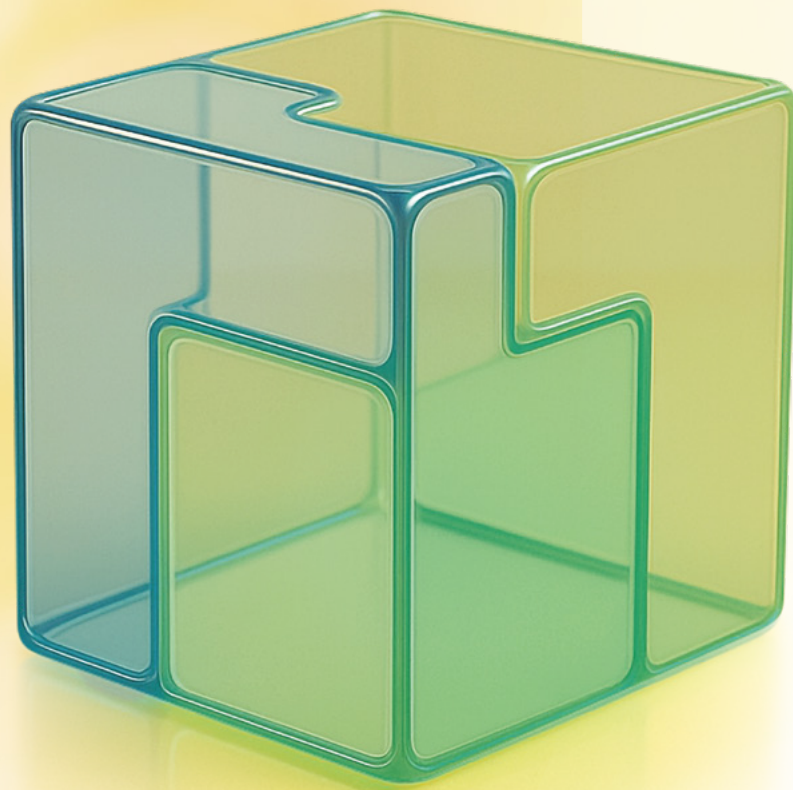


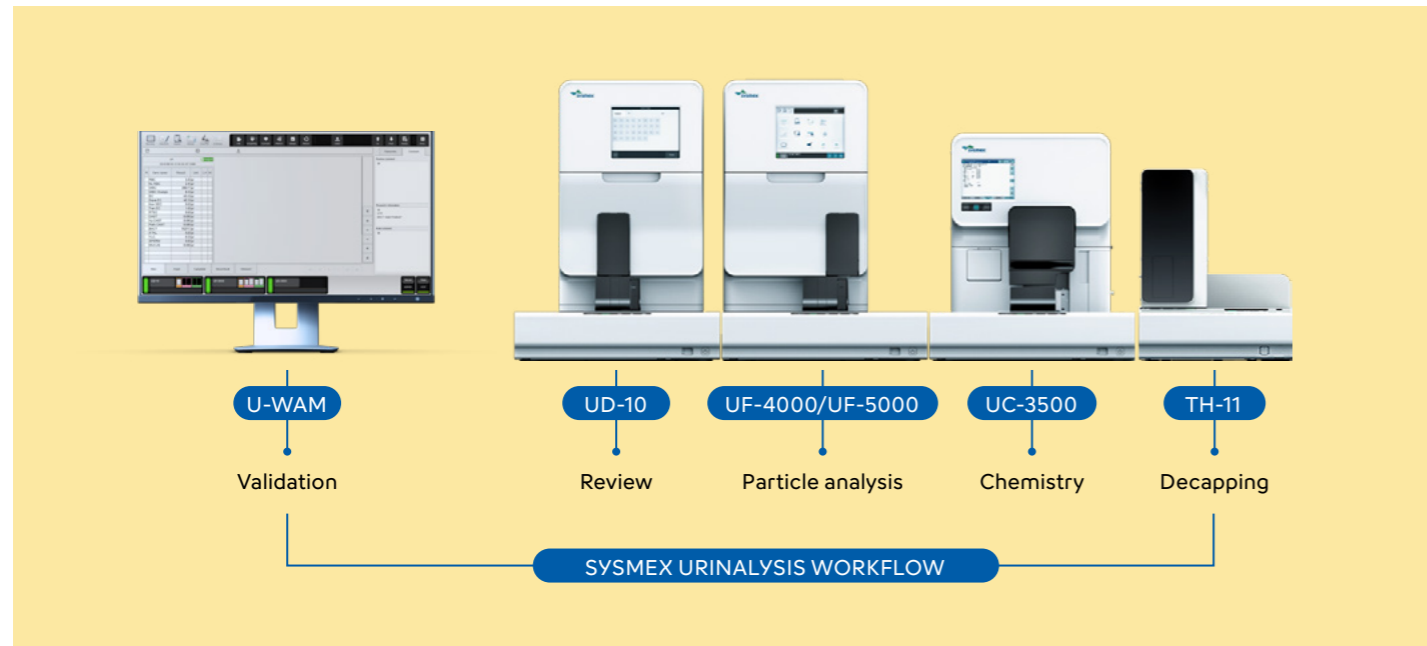
The modular way of urinalysis

UN-Series



Together for a better
healthcare journey

Ideal workflow, from start to finish



Our optional TH-11 decapping module and our U-WAM software form the “bookends” of a completely automated workflow. The TH-11 steps in seamlessly from the point of sample entry and can open common urine tubes on the market. This minimises the time you spend on sample handling. Meanwhile, our U-WAM software conveniently handles the data and sample management, providing you with an optimal overview of your workflow.

The modular way of urinalysis

With the Sysmex UN-Series, you can automate your lab’s urinalysis work area according to your workflow preferences. With modular components to mix and match, you can tailor a complete solution that is scalable to your current and future needs, providing a perfect fit and a secure investment.

Get to know our core components

Introducing the parts that could become part of your individual urinalysis workflow solution. When used together, they offer fully automated laboratory urinalysis. to respond quickly – an advantage in both near-patient testing and routine laboratory use.

Modularity and scalability at its best

The UN-Series can cover the complete urinalysis workflow but also offers you maximum flexibility in setting up the workflow of your choice. Because of its modularity, you can configure your solution to cover only the parts that you require.

Whatever configuration you start with, you can flexibly up- or downscale your UN-Series solution at any time. Up to nine modules can be connected in one fully automated line.



UC-3500
Fully automated test strip screening with CMOS technology

UF-4000/UF-5000
Fast, standardised, and sensitive particle analysis using fluorescence flow cytometry

UD-10
Digital imaging for samples that need further investigation

Microbiology labs

UF-4000/UF-5000 and UD-10

The UF-4000/UF-5000 Fully Automated Urine Particle Analyser optimises microbiology lab workflows by efficiently differentiating positive and negative bacteriuria samples (REF1/2). When combined with the optional UD-10 digital imaging device, it enables visualisation and archiving of all cell types, helping to quickly identify negative samples and reduce unnecessary follow-up testing (REF3).



Small to medium lab segments

UC-3500 and UF-1500

The combination of the UC-3500 and the UF-1500 provides a compact yet automated solution for small to medium laboratory segments. Designed for routine workflows as well as backup setups for the UN-Series, this pairing delivers standardised, high-quality urine analysis with minimal manual handling. While the UC-3500 ensures reliable and efficient urine chemistry testing, the UF-1500 complements the workflow with fluorescence flow cytometry, enabling consistent results at throughput levels of up to 60 samples per hour.

For laboratories with lower sample volumes or semi-automated requirements, the UC-1100 offers a compact alternative to the UC-3500, available as a stand-alone or integrated option.



Biochemistry labs

UC-3500 and UF-4000/UF-5000

Combining the UC-3500 Fully Automated Urine Chemistry Analyser with the UF-4000/UF-5000 creates an efficient setup for biochemistry labs. The UC-3500 performs routine test strip screening, including albumin and creatinine, and uses a rule set to determine if further particle analysis is needed. The UF-5000 then applies 32 parameters for comprehensive sample evaluation.

UC-3500 with UF-4000/UF-5000 and UD-10
In this enhanced option for your biochemistry lab, the UC-3500 and UF-series are supplemented by the UD-10 to assist in cases that require more investigation of certain particles.



An even higher degree of automation for both microbiology and biochemistry labs

UC-3500, UF-4000/UF-5000, UD-10 and TH-11

A fully automated urinalysis setup combines the urine chemistry analyser, a UF-series particle analyser, the UD-10 digital imaging device, and the TH-11 Urine Sample Decapper Unit. Together, they significantly improve turnaround time, with the TH-11 streamlining sample handling for both biochemistry and microbiology labs.

References

- [1] **Korsten K, de Gier A, Leenders A, Wever PC, Kolwijck E.** Using the Sysmex UF-4000 urine flow cytometer for rapid diagnosis of urinary tract infection in the clinical microbiological laboratory. *J Clin Lab Anal.* 2024 Mar;38(5):e25004. doi: 10.1002/jcla.25004. Epub 2024 Mar 7. PMID: 38454622; PMCID: PMC10959182.
- [2] **Sender V, White JK, Bolinder L, Amilon K, Hägg M, Bhattarai KH, Björkström NK, Saeedi B.** Flow cytometry for screening and prioritisation of urine samples: a retrospective comparison with culture. *BMC Infect Dis.* 2025 Jul 30;25(1):960. doi: 10.1186/s12879-025-11374-8. PMID: 40739551; PMCID: PMC12312330.
- [3] **Allain M, Sun K, Predal C, Nassif X, Ferroni A.** Analyse des performances de l'automate Sysmex UF4000 associé à l'analyseur d'images UD10 pour l'examen cytot bactériologique des urines [Performance analysis of the Sysmex UF4000/UD10 for diagnosis of urinary tract infections]. *Ann Biol Clin (Paris).* 2019 Dec 1;77(6):645-650. French. doi: 10.1684/abc.2019.1504. PMID: 31859641.



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