

Fully automated urine chemistry analyser

UC-3500



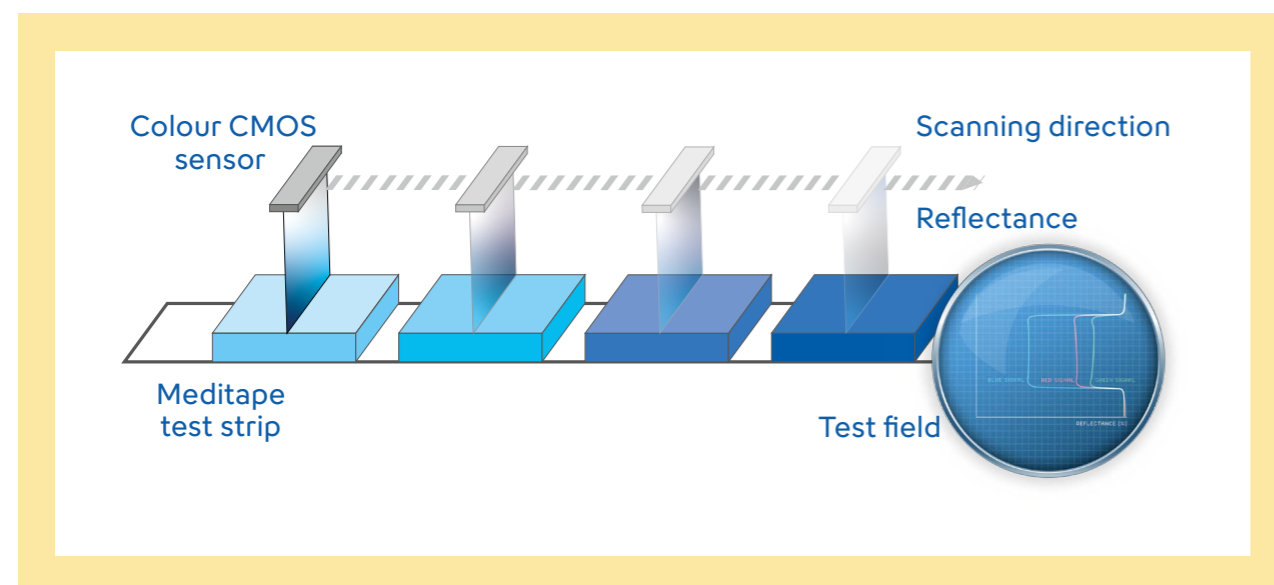
Together for a better
healthcare journey

Good chemistry

The UC-3500 brings advanced urine chemistry analysis to your laboratory with precision and ease. Combining reflectance photometry and refractometry, it ensures reliable results across a wide range of parameters (REF1). Designed to integrate seamlessly into the Sysmex urinalysis portfolio, it delivers more than just numbers – it delivers confidence.

Fast and reliable analysis

High throughput of up to 276 samples per hour and advanced technology ensure you never have to compromise between speed and precision. The UC-3500 recognises abnormal strips, detects unusual colours, and reliably differentiates red blood cells from free haemoglobin, helping you deliver consistent, trustworthy results faster.

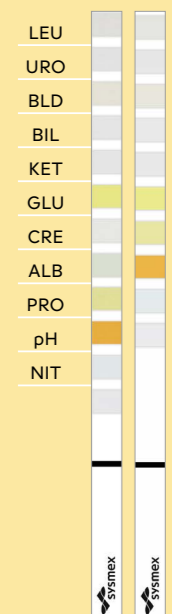


Built for your workflow

Whether as a standalone system or fully integrated into the Sysmex UN-Series, the UC-3500 adapts to your laboratory needs. Its modular design lets you expand from chemistry-only testing to combined particle analysis and digital imaging, meaning your workflow grows with your requirements.

Early detection of CKD

With test strips that combine albumin and creatinine on a single strip, the UC-3500 supports early and accurate detection of chronic kidney disease. By enabling routine screening for albuminuria and providing meaningful ratios such as ALB/CRE, it gives laboratories the tools to contribute actively to better patient outcomes. (REF2/3/4)



Specifications

Technologies	Reflectance photometry with CMOS camera (test strips) Refractometry – the reference method (specific gravity)
Test strips	MEDITAPE UC-9A, MEDITAPE UC-11A
Parameters	
Test strip	pH, GLU, PRO, BLD, URO, KET, BIL, NIT, LEU, CRE (11A only), ALB (11A only)
System	SG, colour, cloudiness, ALB/CRE ratio (11A only), PRO/CRE ratio (11A only)
Throughput	Max. 276 samples/hour
Sampling volume	1 mL
Aspiration volume	230 µL
Sampler unit capacity	CV-11: 80 samples (8 racks with 10 tubes each) SA-52: 50 samples (5 racks with 10 tubes each)
Options	Connection of UC-3500, UF-4000/UF-5000, or UF-4000/UF-5000 + UD-10 U-WAM (Urinalysis Work Area Information Management System) Wagon(s), rack entry and rack exit units, TH-11
Dimensions/weight	Main unit incl. sampler:
W × H × D [mm/kg]	With CV-11: approx. 638 × 709 × 829 / 78 With SA-52: approx. 630 × 630 × 626 / 60

References

- [1] Delanghe JR, Himpe J, De Cock N, Delanghe S, De Herde K, Stove V, Speeckaert MM. Sensitive albuminuria analysis using dye-binding based test strips. *Clin Chim Acta*. 2017 Aug;471:107-112. doi: 10.1016/j.cca.2017.05.032. Epub 2017 May 26. PMID: 28554541.
- [2] Salinas M, López-Garrigós M, Flores E, Lugo J, Leiva-Salinas C; PRIMary Care-LABoratory (PRIMLAB) working group. Urinary albumin strip assay as a screening test to replace quantitative technology in certain conditions. *Clin Chem Lab Med*. 2018 Dec 19;57(2):204-209. doi: 10.1515/cclm-2018-0546. PMID: 30024851.
- [3] Salinas M, López-Garrigós M, Flores E, Ahumada M, Leiva-Salinas C; PRIMLAB working group. Laboratory intervention to improve the request of urinary albumin in primary care patients with arterial hypertension and financial implications. *Clin Biochem*. 2019 Jul;69:48-51. doi: 10.1016/j.clinbiochem.2019.04.012. Epub 2019 Apr 17. PMID: 31002773.
- [4] López-Garrigós M, Puig E, Sánchez S, Gutiérrez I, Salinas M, Ortiz A, Flores E. A Pilot Study of Opportunistic Chronic Kidney Disease Screening in Primary Care Using a Clinical Decision Support System. *Diagnostics (Basel)*. 2025 Dec 19;16(1):8. doi: 10.3390/diagnostics16010008. PMID: 41515503; PMCID: PMC12785800.



Find more information
on our website
sysmex-europe.com/uc-3500

Distributor EMEA: Sysmex Europe SE · www.sysmex-europe.com

Manufacturer: Sysmex Corporation · www.sysmex.co.jp

You will find your local Sysmex representative's address under www.sysmex-europe.com/contacts

www.sysmex-europe.com/urinalysis