

UC MAX

Automated urine chemistry analyzer



As easy and reliable as it looks

Simplify testing, streamline workflow and deliver consistent, high-quality results using technology you can trust

Proven technology for accurate and reliable results



Automation, reliability, and capability all in one

UC-MAX is the new A.Menarini Diagnostics **urine chemistry analyzer** that offers a fully automated approach, high throughput results and improved analytical performance.

UC-MAX can evaluate up to 12 chemical parameters and 3 physical parameters and deliver **accurate, standardized results**.

The system provides ease of operation with a color touch-screen, sample mixing capabilities and precise dosing for each test pad using the pipetting unit.

A patented detection technique and intelligent data management provide **maximum efficiency while making urinalysis simple**.



Key features

- Fully automated process
- High throughput: 250 samples/hour
- Can load up to 100 samples
- Can load up to 300 strips
- Advanced patented detection technique
- Sample dosage with the pipetting unit
- Pediatric measurement mode with low sample volume
- Easier and more robust RFID-based rack identification
- No liquid detergents or calibrators needed
- User-friendly software and ease of operation using a color touch-screen
- Automated quality control analysis and maintenance procedures
- Integration to laboratory or hospital information systems
- Albumin-to-creatinine ratio (ACR) to identify early-stage kidney disease and protein-to-creatinine ratio (PCR)



Combined automation
and efficiency for your lab



Chemistry and sediment analysis in one platform for improved laboratory workflow

UC-MAX and **sediMAX conTRUST PRO**, the advanced A.Menarini Diagnostics brightfield and phase-contrast urine sediment analyzer, can be combined to create a **fully automated solution for urine analysis**.

Operation is enabled through hardware and software connections between the two analyzers, and the re-

sults of both measurements are stored in a common database and provided in the same report.

This advanced combination forms **a complete urine laboratory system**, improving throughput, providing a comprehensive urinalysis for maximum efficiency and increasing analytical accuracy within a routine setting.



A winning combination



Automated urine sediment analyzer

- Fully automated BF and PC microscopy
- High throughput: 150 samples/hour
- 18 detected particle classes, and 3 flags including acanthocytes and ghost red blood cells



Automated urine chemistry analyzer

- Fully automated urine chemistry analysis
- High throughput: 250 samples/hour
- Up to 12 chemical parameters evaluated, including microalbumin and creatinine

Technical specifications



Automated urine chemistry analyzer

Technology	Reflectance photometry, 4 discrete wavelengths
Evaluated parameters	Bilirubin, urobilinogen, ketones, ascorbic acid, glucose, proteins, blood, pH, nitrite, leucocytes via LabStrip U11 Plus MD or Labstrip U12 mALB/CREA MD test strips. Microalbumin, creatinine and calculated ACR and PCR (via Labstrip U12 mALB/CREA MD only). Specific gravity, color, turbidity via the PMC (physical measurement cell) module
Throughput	250 tests/hour
Batch size	Up to 100 test tubes
Min. sample volume	2 mL (checked by sample level sensor). pediatric mode: 1 mL (regular tubes) or 0.8 mL (pediatric tubes*)
On board stability	Up to 2 weeks using On Board Stability Kit
Memory	max. 10000 results
Display	800 x 600 TFT – LCD Touch screen
Barcode reader	Built-in barcode reader
Rack identification	RFID based
Size	600 x 520 x 635 mm (W x D x H)
Weight	55 kg
Input	100-250V AC / 50-60 Hz
Power consumption max	200 W
Interfaces	USB, RS232 serial port, PS2, VGA
Operating conditions	15-30 °C, 20-80% relative humidity (non-condensing)

*Biosigma, code U9030, Conical tubes 6.5 mL

List of products and codes

45448	UC-MAX
50191	LabStrip U11 Plus MD (150 test strips)
56247	LabStrip U12 mALB/CREA MD (150 test strips)
45463	sediMAX bridge
37036	KOVA Liqua-Trol liquid controls
55123	On Board Stability Kit
55122	Desiccant recharge (10 pcs)

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