One step ahead in urine diagnostics
The Urilyzer® Auto is a newly designed fully-automated urine test strip analyzer introducing the pipetting technique in combination with a new LED based measuring head to analyze the CombiScreen® 11 Auto urine strip. In addition the system has a Physical Measurement Cell (PMC) module for determination of specific gravity, color and turbidity. The system is specifically designed to improve the accuracy and safety of urine test strip evaluation.

The Urilyzer® Auto is a stand-alone instrument which can be interfaced to the Urilyzer® Sed microscopic urine sediment analyzer in order to have a common urine status report.

### Efficient and affordable

- Uses distilled water as the only system liquid. At least 300 tests can be performed with only 5 L distilled water.
- 10 sample racks with 10 sample positions each ensure a throughput of up to 240 tests/hour.
- Two Hamilton syringes ensure accurate and fast mixing and loading of the urine sample.
- The system does not require a calibration by the user. Each time the instrument is turned on, it performs a system test.

1: The sample needle performs the mixing and loading of the urine sample. A minimal sample volume of 2 ml is sufficient.

2: Closed strip loader container with high capacity.

3: Hygienic waste box for used test strips on the right side of the analyzer.
Filling the strip container directly with one tube of CombiScreen® 11 Auto strips. The drying agent may be used to ensure onboard stability.

**Reliable and accurate**

- The Urilyzer® Auto is based on a reflectance photometer that analyzes the intensity and color of light reflected from the urine strip. The optical unit contains four LEDs that emit light at various wavelengths.

- The optical head features an auto-compensation: A separate detector measures continuously the brightness level of the light source and compensates the results accordingly.

- Minimal sample volume of only 2 ml is required. The level of the sample is controlled by a liquid level sensor.

- The Physical Measurement Cell (PMC) module ensures an accurate measurement of the specific gravity, the turbidity and the color of the urine sample.

**Easy-to-use and agile**

- Convenient strip loading by direct pouring of 150 CombiScreen® 11 Auto urine strips out of the tube into the strip feeder container.

- Built-in barcode reader and thermal printer.

- The comfortable color touchscreen guides the user through the menu.

- The Urilyzer® Auto has a memory capacity of up to 10,000 results.

The Urilyzer® Auto has an easy-to-use, user-friendly menu system. The main menu points are on the right side of the screen; their relevant sub-menus are at the bottom.
Specifications

Type
Fully automated benchtop urine test strip analyzer

Measurement technology
Reflectance photometer with 4 wavelengths: 505, 530, 620, 660 nm + Physical Measurement Cell module (PMC)

Parameters
Test strip parameter: Bilirubin, Urobilinogen, Ketones, Ascorbic Acid, Glucose, Protein (Albumin), Blood (Hemoglobin), pH, Nitrite, Leucocytes
PMC parameter: Color, Turbidity, Specific Gravity

Throughput
Up to 240 tests/hour

Data storage
Patient and QC database: 10,000 tests

Display
800x600 TFT color touchscreen

Interfaces
Serial RS232, USB, PS2, VGA

Dimensions
600 x 650 x 635 mm (WxDxH)

Weight
55 kg

Power supply
100-240 V AC, 50/60 Hz

Operating environment
Temperature: +15°C to +30°C
Relative humidity (non-condensing): 20% to 80%

Printer
Built-in thermal printer

Barcode reader
Built-in (optional external); Barcode types: CODE 39, CODE 128, EAN-13, EAN-8, INTERLEAVED 2/5, CODABAR

Protocols
LIS2 (ASTM+), HL7

Features
- Loading capacity (samples): Up to 100 in one batch
- Loading capacity (urine test strips): 150 (one tube)
- Racks: 10 racks, each with 10 positions
- Minimum sample volume: 2 ml (native urine)
- Automatic sample mixing
- STAT function
- Operator Management
- Test strip & QC Management (full traceability via LOT and Expiry entry)
- Data Management
- Automatic printout or transfer of result
- Flexible advanced testing and reporting options (e.g. sediment recommendation flag)
- System solution: Only distilled water permanently connected
- Connection to Urilyzer® Sed possible ↔ Urilyzer® Duo

Consumables

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Distributor information

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