

# respons<sup>®</sup>UDS100

High performance solution for advanced urine determination

**NEXT-GEN  
TEST STRIP  
INCLUDING  
ACR**



**Simplify Testing. Amplify Detection.**

All-in-one urine testing with respons<sup>®</sup>UDS100,  
UDStrip-12 and TruLab UriDrop

**DiaSys**

Diagnostic Systems

CHOOSING QUALITY.

## Urine determination of high performance

Urine analysis by strip determination has been a widely used diagnostic method since the 1950s. It is designed for preliminary screening of diabetes and for assessing urinary tract infections and kidney function, which is of high importance as chronic kidney disease (CKD) cases rise. The non-invasive test is commonly used in both routine check-ups and emergency settings to support early disease detection and clinical decision-making. The new semi-automated, high performance and cost-effective urine testing system includes the following components:

- respons<sup>®</sup>UDS100 – semi-automated strip analyzer
- UDStrip-12 – test strip combining standard parameters and ACR
- TruLab UriDrop – dedicated two level urine control

## One system for reliable urine testing

Urine test strip analysis is a common and fast method used for basic urine diagnostics. High demands are placed on urine testing in terms of quality, reliability and costs. These requirements are targeted by the all-in-one system of respons<sup>®</sup>UDS100 analyzer, next-generation test strip UDStrip-12 and dedicated two level control TruLab UriDrop.

The analyzer operates exclusively with the UDStrip-12, whose semi-automated application eliminates subjectivity of interpreting results, reduces the error rate, and ensures accurate, high-quality results. In addition, the next-generation urine test strip enables outstanding urine analysis by including the albumin-creatinine ratio (ACR) determination together with the standard parameters in a single run.

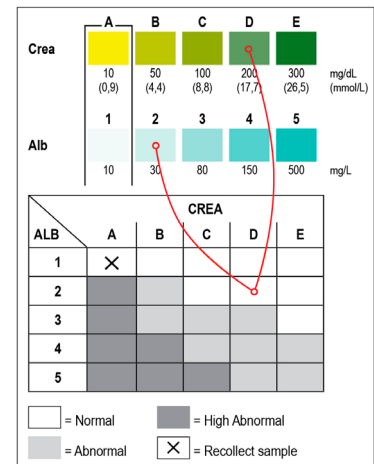
The 12 test pads offer high sensitivity, and the clear, true-color printed labels support accurate identification of analyte levels, even at low concentrations (e.g., glucose detection from 50 mg/dL). This ensures reliable differentiation between normal and pathological findings while minimizing false positives and negatives.

To further enhance diagnostic reliability, the strips feature an integrated ascorbic acid (vitamin C) protection system, ensuring consistent accuracy even at elevated ascorbic acid levels.



## Superior patient value, proven by science

Early detection saves kidneys: the 2024 KDIGO guideline confirms the albumin-to-creatinine ratio in addition to the estimated glomerular filtration rate (eGFR) as being essential for accurate kidney disease diagnosis, especially for chronic kidney disease. Urine test strips like the UDStrip-12 that measure standard parameters and ACR enable early CKD detection, thereby improving patient outcomes. Strips lacking ACR determination risk missing early-stage disease, delay treatment and negatively impact patient health.



## All-in-one urine testing in daily use

respons<sup>®</sup>UDS100 enables automated reading, interpretation and documentation of test strip results. Together with the advanced UDStrip-12 and the dedicated two-level control TruLab UriDrop the all-in-one system ensures economical, convenient and reliable urine determination of high-quality beyond the standard procedure.

### Benefits of the urine testing system

- Minimized workload and costs due to the combined determination of standard parameters and ACR in a single run
- Determination of the ACR enables comprehensive kidney diagnostics and provides valuable information for the diagnosis of kidney diseases at an early stage
- High cost efficiency of UDStrip-12 due to optimized warehouse management of only one product
- High quality products made in Germany

## Technical specifications

### respons<sup>®</sup>UDS100

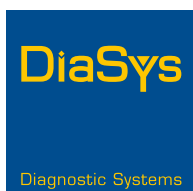
Test method	Reflectance photometer with 4 discrete wavelengths 505, 530, 620, 660 nm
Throughput	Up to 50 tests/hour (normal mode) or up to 120 test/hour (fast mode)
Database	Patient: 3000 tests QC: 1000 tests
User interface	3.5" LCD touchscreen
Connectivity	Serial RS232, USB Type A, USB Type B, PS2 (external keyboard, barcode reader), Ethernet
Protocols/ LIS connectivity	LIS2 (ASTM+), HL7, POCT1-A2
Built-in printer	Yes (thermal printer)
Barcode reader	External
Languages	English, German, French, Spanish

### UDStrip-12

Parameters	Albumin, Bilirubin, Blood, Creatinine, Glucose, Ketone, Leucocytes, Nitrite, pH, Protein, Specific gravity, Urobilinogen
Determination of ACR	yes
Reading time	60 seconds (up to 120 seconds for leucocytes)
Shelf life	24 months

### Order information

967100	respons <sup>®</sup> UDS100
967200	150 x UDStrip-12 (language pack A: en-de-fr-es-pt-it-sv)
967201	150 x UDStrip-12 (language pack B: en-hu-ar-ro-It-sk-tr)
967205	TruLab UriDrop (1 x 5 mL Level 1 & 1 x 5 mL Level 2)



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