

QDx UriLyzer100 Pro

Rapid | Reliable | Robust



- Sediment flagging
- Ascorbic acid protection
- Lacquer printed label

**Point of care. Anytime.
Anywhere.**

DiaSys

Diagnostic Systems

CHOOSING QUALITY.



QDx UriLyzer100 Pro is a semi-automated, rapid, reliable and robust solution for routine urine analysis. It is trusted system for laboratories, hospitals, doctor's clinic.

QDx UriLyzer100 Pro in combination with urine test strips QDx Urine10 Pro provides unyielding, efficient and high quality test results.

Key Features & Benefits for QDx UriLyzer100 Pro



Flexible advanced information entry
(e.g. sample color and turbidity)



Low maintenance



Two measuring modes: Normal
mode (50 tests/hour) and fast mode
(120 tests/hour)



Flexibility in strip selection



Flexible advanced testing and
reporting options (e.g. sediment
recommendation flag)



Automatic printout



Autostart of measurement (auto-
matic strip detection)



LIS / HIS / USB connectivity



Automatic color compensation for
colored urine sample



External keyboard and barcode
reader



Easy operation via LCD touchscreen



Compatibility with third party
urine controls



Advanced security system for test
strip & QC (full traceability via entry
of LOT and expiry)



Result, QC & data

Urine Strips

Urine test strips are easy-to-use, fast, cost-effective and provide reliable information on pathological changes. Urine test strips are intended to be used as a screening test for:

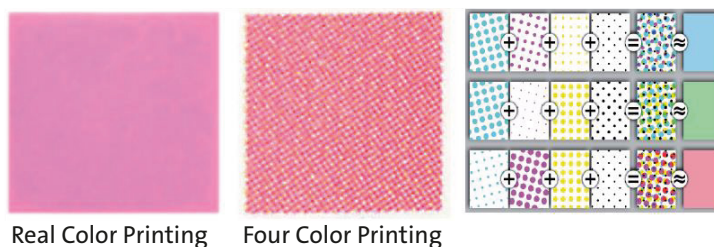
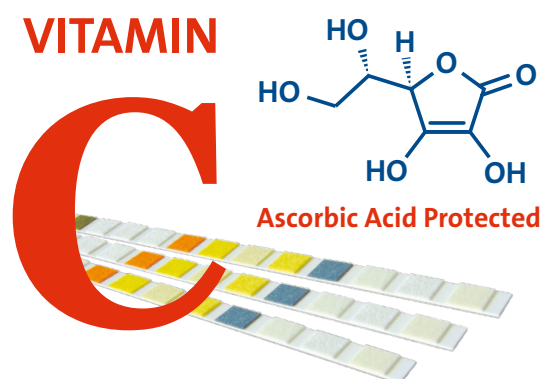
- Kidney diseases and urinary tract infections
- Metabolic disorders like diabetes mellitus
- Liver and hemolytic diseases

Furthermore, they are often used to monitor the success of a prescribed therapy or to self-monitor the metabolic situation of diabetic patients.

Benefits of QDx Urine10 Pro urine test strips

Excellent ascorbic acid protection for glucose, protein and blood

- Ascorbic acid (vitamin C) is ingested through foods, excess of which is excreted in the urine
- Ascorbic acid inhibits the blood, protein and glucose test patch reaction, which may cause false negative results in the presence of hematuria or glucosuria
- QDx Urine10 Pro urine test strips are equipped with an active ascorbic acid interference protection of the glucose, protein and blood test.
- QDx Urine10 Pro bottle labels uses the real color printing method called "Lackdruck."
- Every single pad on the label is printed with a color mixed specifically.
- The "Lacquer printing" label guarantees a precise comparison of the color changes.



Urine parameters diagnostics information

Urine test strips are an indispensable, easy and simple diagnostic aid in estimating predictions about the native condition of human urine specimen and pathological changes.

Usage

- Strip for diagnostic and early detection of diabetes, liver and hemolytic diseases, metabolic disorders and diseases of the urinary tract.

Remark

- Reliable diagnosis on the basis of single test strip results is not sufficient. The diagnosis should be established in connection with a medical report in order to initiate a targeted therapy.
- For in vitro-diagnostic use only.



Urine parameters and it's significance

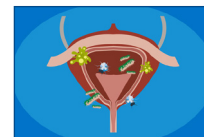
Specific Gravity

A urine specific gravity test compares the density of urine v/s water. Urine that's too concentrated could mean that your kidneys aren't functioning properly or that you aren't drinking enough water.



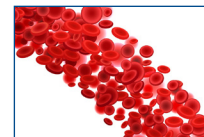
Nitrite

Indicates urinary tract infections caused by bacteria. False positive results can occur with old urines and urines that contain dyes. Negative results do not exclude a bacteriuria.



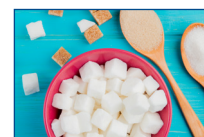
Blood

Occult blood in urine indicates diseases of urogenital tract and kidneys. False negative results that might occur through interferences of ascorbic acid.



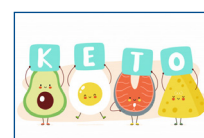
Glucose

The determination is used for diagnosis and medical treatment of disruptions of the carbohydrate metabolism as diabetes mellitus.



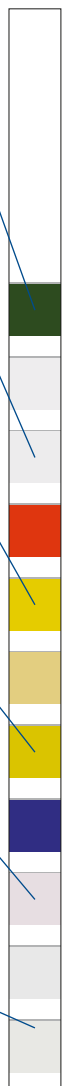
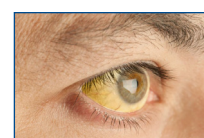
Ketones

Ketone testing is an essential part of managing diabetes. If a person has too many ketones in urine, they may be at risk of developing diabetic ketoacidosis (DKA) which is life-threatening.



Bilirubin

Used for the diagnosis of liver and gall bladder diseases. It is an indication of liver diseases, acute and chronic hepatitis as well as cirrhosis at an early stage.



Leukocytes

It is normal to find up to 3-5 leukocytes per high power field (40X). An increase in WBCs in urine (leukocyturia) may be because of inflammation or infection in the urinary tract (UTI) or kidney disease.

pH value

pH determinations are used to evaluate the acidity or the alkalinity of the urine that might occur together with metabolic disorders as well as the monitoring of diets. The normal pH value is mostly between pH 5 and pH 6.

Protein

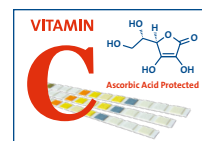
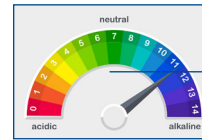
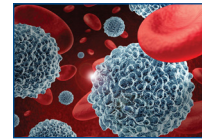
Protein testing is the most common and indicative parameter for renal disease. The presence of protein in urine is called Proteinuria, it can be a sign of the nephrotic syndrome.

Ascorbic acid

Ascorbic acid, also known as vitamin C, can be found in various foods and supplements. It is also a common interfere with urine chemistry reagent pads. When a urine sample has high levels of ascorbic acid, the reagent pads for blood, glucose, nitrite, and bilirubin may not react properly.

Urobilinogen

The detection serves for the diagnosis of liver diseases and an increased reduction of hemoglobin as a consequence of hemolytic diseases. Positive results indicate e.g. chronic hepatitis or cirrhosis.





Technical Specifications	
Type	Semi-automated urine test strip analyzer
Measurement Technology	Reflectance photometer with 4 discrete wavelengths 505, 530, 620, 660 nm
Parameters	10 Parameter: Bilirubin, Urobilinogen, Ketones, Ascorbic Acid, Glucose, Protein (Albumin), Blood (Hemoglobin), pH, Nitrite, Leucocytes, Specific Gravity
Throughput	50 tests/hour (in normal mode) 120 tests/hour (in fast mode)
Memory	Patient database: 3000 tests QC database: 1000 tests
Display	3.5" QVGA touchscreen LCD
Interfaces	Serial RS232, USB Type A, USB Type B, PS2 (external keyboard, barcode reader), microSD card holder, Ethernet
Power Supply	7.5 V DC / 3 A
Operating Environment	Temperature: +15°C to +30°C Relative humidity (non-condensing): 20% to 80%
Printer	Inbuilt thermal printer
Barcode Reader	External
Consumables	QDx Urine10 Pro urine test strips packsize - 150 strips Urine control - 2 x 5 mL
Dimensions	208 x 290 x 80 mm (WxDxH)
Weight	1.2 kg