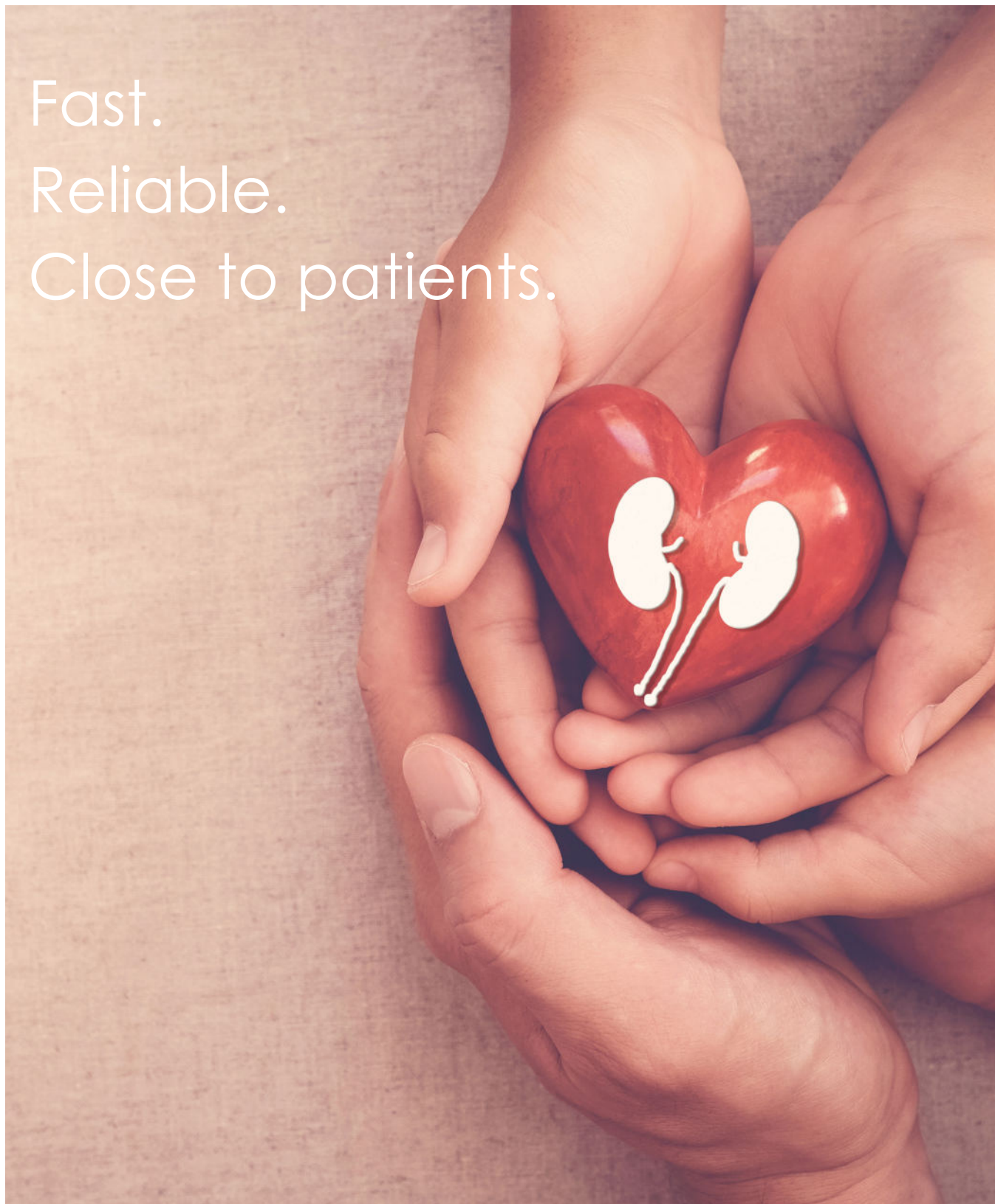


Fast.
Reliable.
Close to patients.



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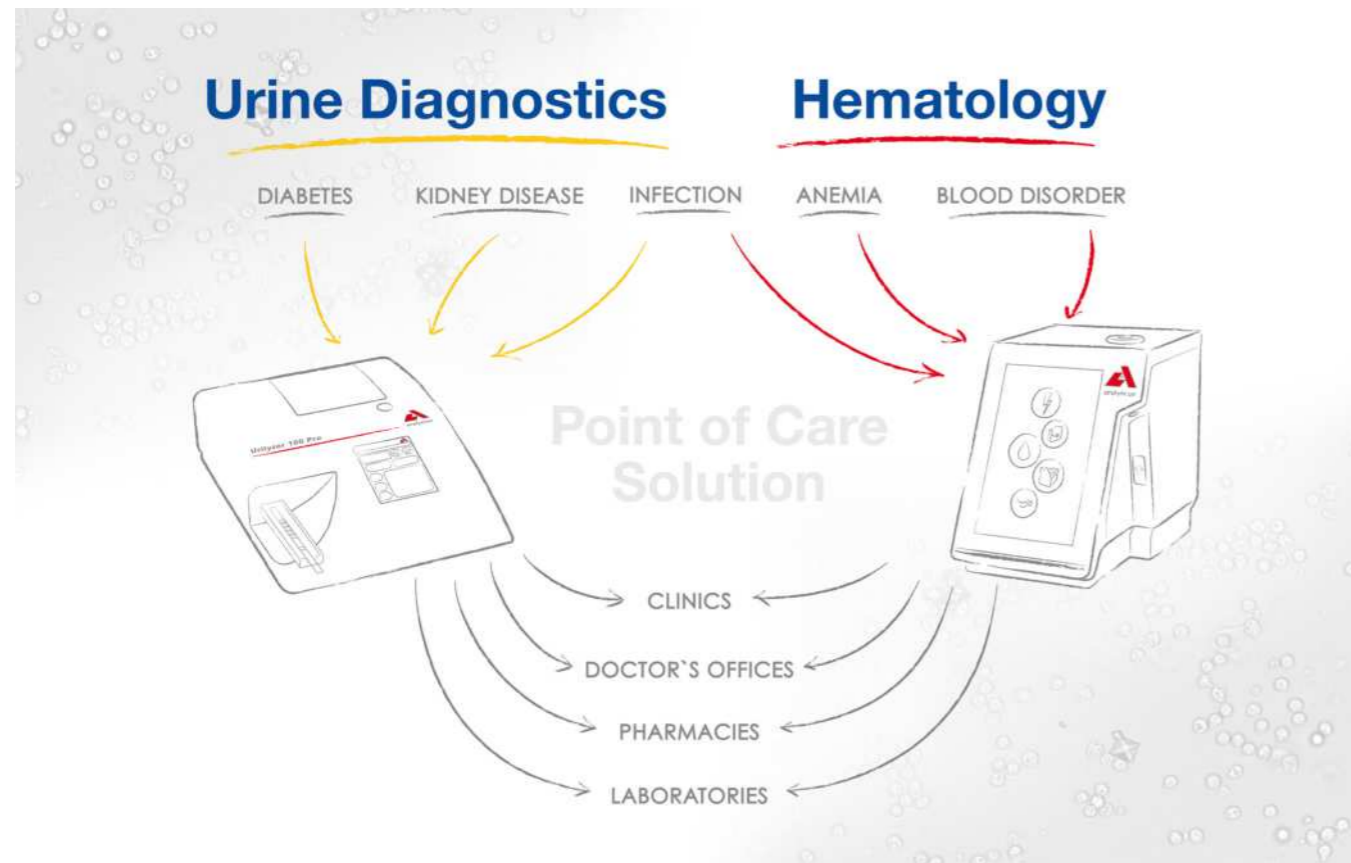
Pictures
Cover: www.istockphoto.com
Inside pages: www.istockphoto.com
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herges detection GmbH

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General conditions

Products are delivered on the general terms and conditions of Analyticon Biotechnologies GmbH only. Information stated in catalogues and product flyers is provided only for informative purposes and does not bind the seller. Analyticon Biotechnologies GmbH reserves the

right to modify products at any time on behalf of further development. Product availability may vary from country to country and is subject to varying regulatory requirements. Please contact your local representative for availability.



Vision

Our vision is to develop and distribute innovative urinalysis and hematology solutions for the identification of diabetes, kidney disease and infectious diseases, among other medical conditions. In this way, we help improve patient quality of life around the world.

Mission

Our mission is to provide the highest quality diagnostic systems and solutions that deliver accurate results while optimizing workflows to boost laboratory efficiency.

We make every effort to ensure that our solutions meet end-user needs but remain affordable at all times and in any country.

About us

Analyticon is an agile and global diagnostics company focused on customized solutions for urine diagnostics and hematology. Our products support accurate and cost-effective onsite diagnostics in doctors' offices, hospitals and clinical laboratories. Analyticon distributes products to up to 100 countries via a worldwide network of partner companies and distributors. Analyticon is also a reliable physical manufacturer for many international IVD companies.

Business areas

With our focus on Point of Care Solutions Analyticon is dedicated to develop and distribute innovative urinalysis and hematology systems for the identification of diabetes, kidney diseases and infectious diseases, among other medical conditions.

Our Point of Care Solutions facilitate a fast and reliable diagnosis. This is achieved by ease of use, state of the art data management, unique and intuitive user interface structures and a quality focused development and production.

Our Urine Diagnostics Portfolio comprises a broad selection of urine test strips, semi-automated analyzers and controls. Especially the Urilyzer® 100 Pro system including POCT features is unique in it's class. With the introduction of the Urilyzer® Cell, a compact and reliable solu-

tion for sediment diagnostics is now available to increase productivity and reproducibility in the medium throughput range.

The Hematology line comprises 3-part and 5-part analyzers with a selection of reagent packs and controls. Hemolyzer® 3 NG and Hemolyzer® 5 NG (open and closed) offer a reliable diagnosis with minimum sample and reagent consumption.

Analyticon continues to increase its research and development efforts in order to provide further parameters and to expand our family of products. Analyticon offers test strips for the detection of explosives as the first category of non-IVD products.

Markets

We distribute our products all over the world, in Europe, the Middle East, Africa, Asia-Pacific and Americas in currently up to 100 countries. The products are distributed in those markets by our high-qualified partners. Analyticon sets high standards for their distribution partners in order to meet the high expectations of the customers served in doctors' offices, clinics and laboratories. We invite you to share our positive market experience and together improve the onsite diagnostics in your market.

Quality statement

Analyticon is committed to meeting or exceeding the needs and expectations of our customers and partners worldwide with high-quality products for routine diagnostics, compelling solutions, and responsive service and support. We place great value on listening to our customers, recognizing their needs, and translating them into innovative products and solutions.

We continuously work to improve our products and services. Our internal processes are reviewed and optimized through frequent dialog with our employees and customers. The thorough quality assurance of all our operational processes is guaranteed by our certified quality management system, which is certified according to EN ISO 13485:2016 + AC:2018 + A11:2021 as well as to Regulation (EU) 2017/746 on In-vitro Diagnostic Medical Devices Annex IX Chapter I+III. We assure seamless and continuous quality control of development, production and distribution and our products are compliant with the Regulation (EU) 2017/746 on In-vitro Diagnostic Medical Devices or are currently marketed as legacy devices under Article 110(3).

Furthermore, Analyticon regularly participates in external ring trials and has registered parts of its portfolio with national authorities (e.g., the Chinese National Medical Products Administration (NMPA), Scandinavian Laboratory Equipment Assessment Authority (SKUP), College of American Pathologists (CAP)).

Your Analyticon Team

Reliability of Supply

Analyticon is committed to ensuring the continuity and reliability of product supplies. More than 90% of our suppliers are located in the European Union. Through well-planned and foresighted stock management, Analyticon is strategically well positioned to respond to challenging global situations.

Customer Support

Our excellent customer support makes the difference. We aim to reduce downtimes of our systems to a minimum and we ensure extremely short response times. Requested information will be precise and highly professional. Part of our excellent customer support is a sophisticated training for Field Service Engineers and Application Specialists, which qualifies the trained specialists to train their end users on our systems, to perform the daily troubleshooting on the systems and to perform the necessary maintenance.

Please note that our customer support provides second level support to all our professional partners around the globe. Requests from end users will therefore be forwarded to our qualified partners as the primary support providers.

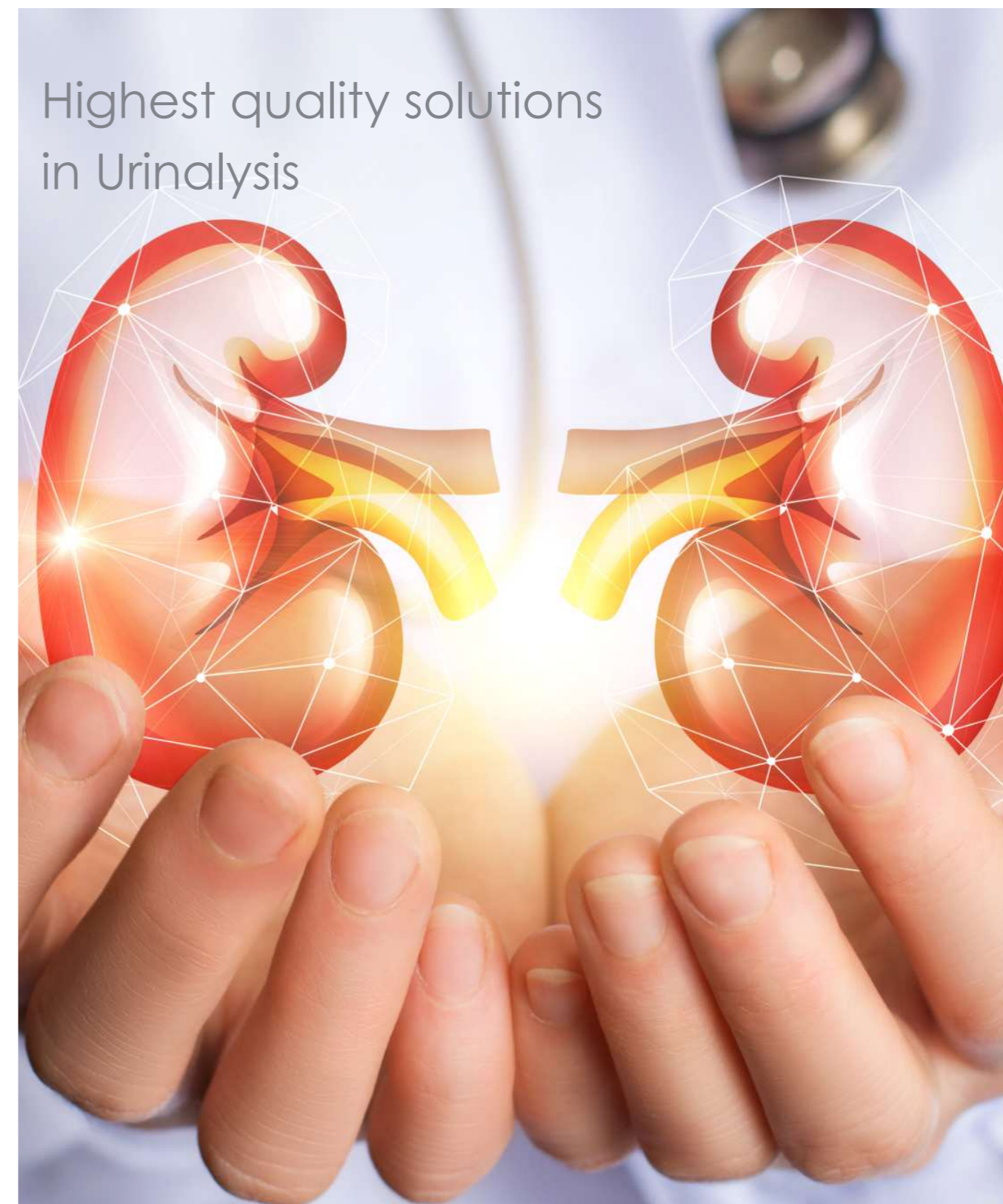
All these efforts serve one objective: to keep systems running, wherever in the world they are located!

Exhibitions

Take the opportunity to meet us around the world. For 2026 we are planning to exhibit at key international trade shows, including:

- WHX Labs Dubai in Dubai (UAE) - February
- ADLM in Anaheim, CA (USA) - July
- MEDICA in Düsseldorf (Germany) - November

More events are in the pipeline. Updates will be announced on our website.



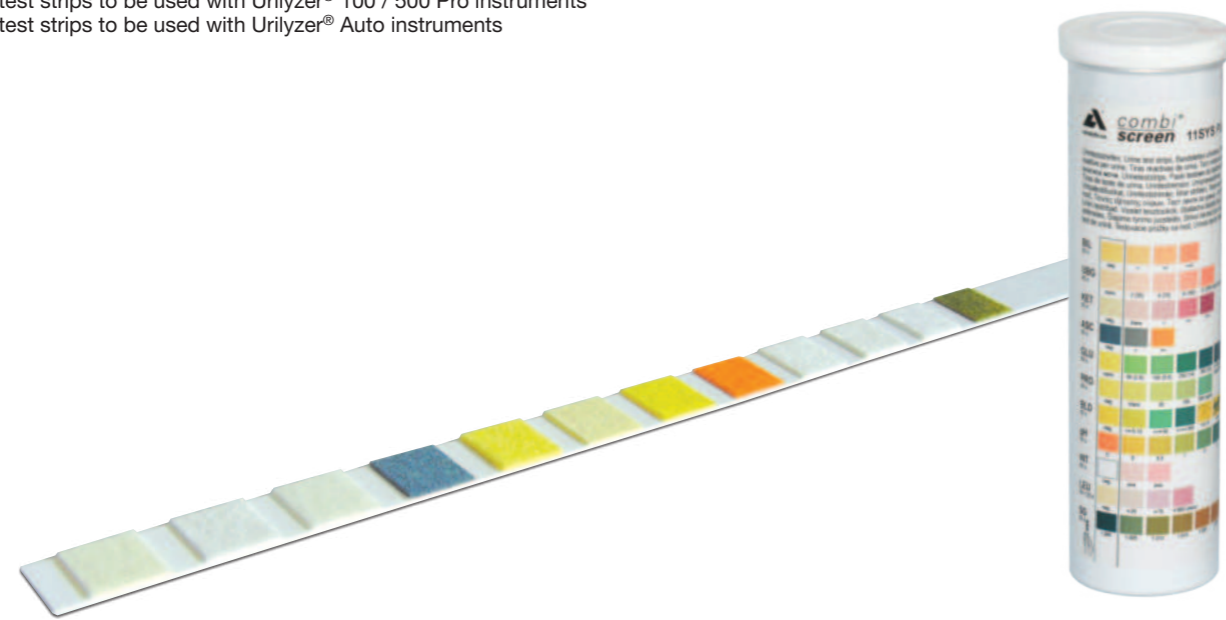
CombiScreen® Parameter Overview

combi® screen PLUS

– with ascorbic acid protection

Name	Art.-No.	Cont.	Parameter																	
			Glucose	Ascorbic Acid	Ketones	Protein	pH-Value	Blood	Nitrite	Leucocytes	Spec. Gravity	Bilirubin	Urobilinogen	Creatinine	Albumin					
Glu Plus	94501	50	■																	
Nitrit Plus	94506	50								■										
3 Plus	94508 / 94108	50 / 100	■			■	■													
5+N Plus	94535 / 94135	50 / 100	■	■		■	■	■	■											
5+Leuko Plus	94517 / 94117	50 / 100	■			■		■	■	■					■					
9 Plus	94115	100	■	■	■	■	■	■	■					■	■					
9+Leuko Plus	94250 / 94200	50 / 100	■	■	■	■	■	■	■	■				■	■					
10SL Plus	94120	100	■		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
VET 11 Plus	94100V	100	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
5SYS Plus¹⁾	94109	100	■			■		■	■	■										
7SYS Plus¹⁾	94110 / 94110A	100 / 150	■		■	■	■	■	■	■										
11SYS Plus²⁾	94100 / 94150	100 / 150	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
12SYS Plus¹⁾	94400 / 94450	100 / 150	■		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
11 Auto³⁾	95150	150	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Auto ACR³⁾	95153	150	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
mALB / CREA¹⁾	94025	25																	■	■
CombiScreen® classic line – without ascorbic acid protection																				
GP	93104	100	■			■														
GAK	93107	100	■	■	■															
GPK	93105	100	■		■	■														
10SL	93120 / 93120A	100 / 150	■		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
11SYS²⁾	93100 / 93150	100 / 150	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■

¹⁾ System test strips to be used with Urilyzer® 100 Pro instruments
²⁾ System test strips to be used with Urilyzer® 100 / 500 Pro instruments
³⁾ System test strips to be used with Urilyzer® Auto instruments



CombiScreen® Details

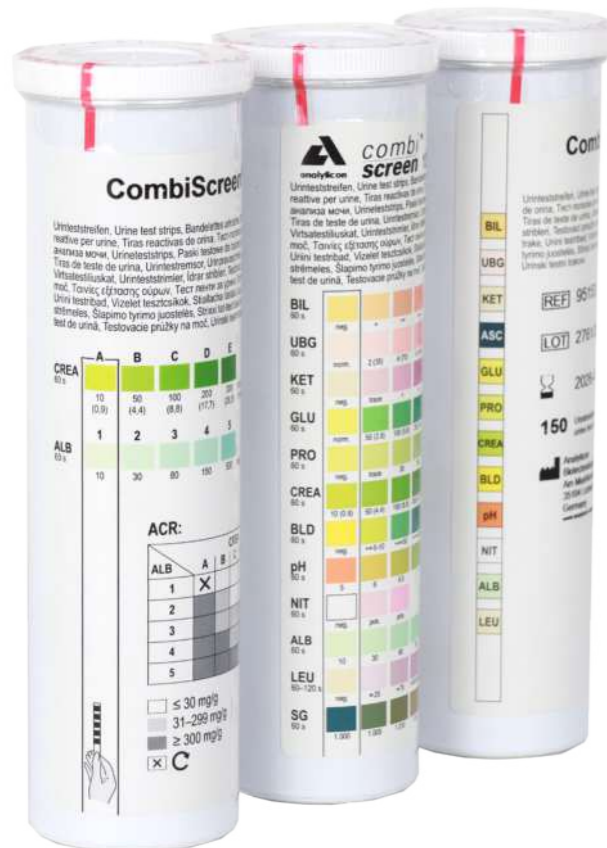
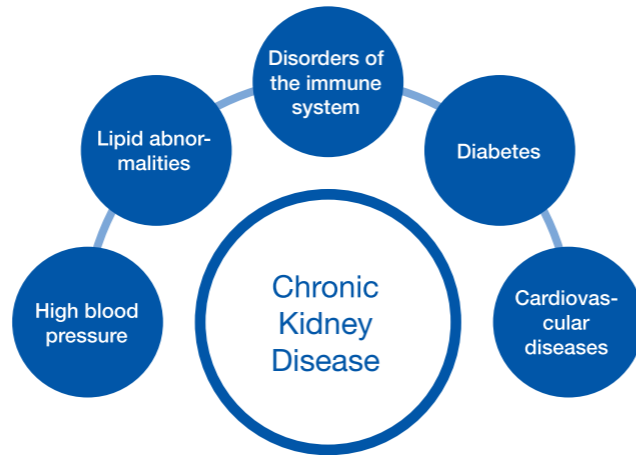


Glu PLUS																					GLU
Nitrit PLUS																					NIT
3 PLUS																					pH GLU PRO
5+N PLUS																					NIT pH BLD PRO ASC GLU
5+Leuko PLUS																					GLU LEU NIT PRO UBG BLD
9 PLUS																					NIT pH BLD PRO GLU ASC KET UBG BIL
9+Leuko PLUS																					LEU NIT pH BLD PRO GLU ASC KET UBG BIL
10SL PLUS																					LEU SG pH NIT BLD PRO GLU KET UBG BIL
VET 11 PLUS																					SG LEU NIT pH BLD PRO GLU ASC KET UBG BIL
5SYS PLUS																					LEU NIT BLD PRO GLU
7SYS PLUS																					pH LEU NIT BLD PRO GLU KET
11SYS PLUS																					SG LEU NIT pH BLD PRO GLU ASC KET UBG BIL
12SYS PLUS																					SG LEU ALB NIT pH BLD CREA PRO GLU KET UBG BIL
11 Auto																					SG LEU NIT pH BLD PRO GLU ASC KET UBG BIL
Auto ACR																					LEU ALB NIT pH BLD CREA PRO GLU ASC KET UBG BIL
mALB / CREA																					ALB CREA
GP																					PRO GLU
GAK																					KET ASC GLU
GPK																					KET PRO GLU
10SL																					LEU SG pH NIT BLD PRO GLU KET UBG BIL
11SYS																					SG LEU NIT pH BLD PRO GLU ASC KET UBG BIL

CKD - Early screening marker

We offer innovative product solutions that are specially developed for the early determination of kidney damage in high-risk patients such as diabetics or people with high blood pressure. The focus here is on important test parameters such as albumin and creatinine, which enable a reliable and precise assessment of kidney function. Thanks to the increased sensitivity of our albumin test panel compared to conventional protein test panels, these products are particularly suitable for the reliable determination of micro- or macroalbuminuria.

To compensate for fluctuations in urine concentration, the evaluation is based on the albumin-creatinine quotient in spontaneous urine, eliminating the need for a 24-hour urine collection.



	A	B	C	D	E	
CREA 60s	10 (0,9)	50 (4,4)	100 (8,8)	200 (17,7)	300 (26,5)	mg/dL (mmol/L)
ALB 60s	1	2	3	4	5	mg/L

		CREA				
ALB		A	B	C	D	E
1		X				
2						
3						
4						
5						

≤ 30 mg/g ≥ 300 mg/g
 31-299 mg/g X C

Quick and easy handling: With the visually evaluable test strips, the result can be read directly from the table on the label after 60 seconds.



<https://youtu.be/j-lm4Mj6klg>

- CombiScreen® mALB / CREA**
Art.-No. 94025 - 25 pcs. (visually & Urilyzer® 100 Pro)
- CombiScreen® 12SYS PLUS**
Art.-No. 94400 - 100 pcs. (visually & Urilyzer® 100 Pro)
- Art.-No. 94450 - 150 pcs. (visually & Urilyzer® 100 Pro)
- CombiScreen® Auto ACR**
Art.-No. 95153 - 150 pcs. (Urilyzer® Auto)

CKD - Increase awareness



About 3 out of 10 CKD patients in Germany know about their disease (28%) and only 2 of them are receiving medical treatment! ¹⁾

¹⁾ modified according to Girndt M et al., Dtsch Arztebl Int 2016, 113:85-91

Patients with the following risk factors should be screened annually for CKD:

- Hypertension
- Diabetes
- Cardiovascular disease
- Obesity
- Advanced age
- Disposition

If one of the following criteria has been met for 3 months or longer, risk stratification is carried out according to the KDIGO Headmap:

- uACR ≥ 30 mg/g (3mg/mmol)
- eGFR < 60 mL/min/1,73m²

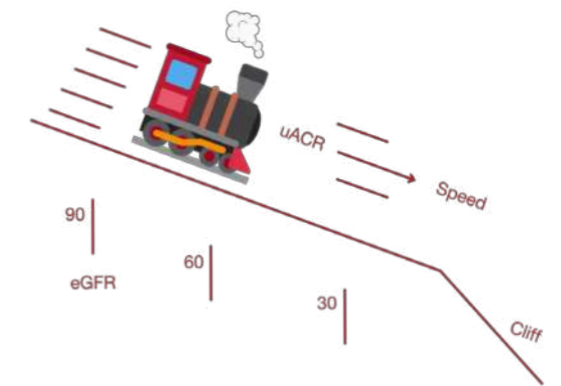
Risk stratification according to CKD stages

		Albuminuria categories description and range (mg albumin / g creatinine)		
		A1	A2	A3
eGFR categories description and range (ml/min/1,73m ²)		Normal to slightly elevated <30mg/g	Moderately to strongly elevated 30-300mg/g	Strongly elevated >300mg/g
G1	Normal to high >90	if CKD 1x/Y control	1x/Y control	2x/Y control
G2	Light 60-89	if CKD 1x/Y control	1x/Y control	2x/Y control
G3a	Light-moderate 45-59	1x/Y control	2x/Y control	3x/Y control
G3b	Moderate-heavy 30-44	2x/Y control	3x/Y control	3x/Y control
G4	Heavy 15-29	3x/Y control	3x/Y control	>4x/Y control
G5	Kidney failure <15	>4x/Y control	>4x/Y control	>4x/Y control

The initiation of further measures, such as monitoring, referral to a nephrologist or initiation of therapy is at the discretion of the attending physician after an abnormal screening.

To identify even inconspicuous patients a broad screening of the population is recommended. An elevated uACR value in spontaneous urine can indicate micro- or macroalbuminuria and thus allow conclusions to be drawn about existing kidney damage.

Calculating the eGFR by determining the serum creatinine can give an indication of the functional performance of the kidney.



- Maintain kidney function
- Improve quality of life
- Reduce mortality

Analysis of a spontaneous urine sample to determine the urinary albumin-creatinine ratio (uACR) is strongly recommended in current screening guidelines. A persistent value above 30 mg/g may indicate chronic kidney disease (CKD). The KDIGO heat map can be used to help the physician classify risk and decide on necessary follow-up measures.¹

¹ De Boer, I.H. et al.; „Diabetes Management in Chronic Kidney Disease: A Consensus Report by the American Diabetes Association (ADA) and Kidney Disease: Improving Global Outcomes (KDIGO)“; Diabetes Care 45; 2022; 3075-3090

CombiScreen® Urine Test Strips

Application of urine test strips

Urine test strips are easy-to-use, cost-effective and provide fast and reliable information on pathological changes in the organism. 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 monitor the metabolic situation of diabetic patients.

Distinct color changes in the clinically relevant range

The clear color change in the clinically relevant area of the CombiScreen® urine test strip and the true-color printing of the tube labels make it easier to distinguish between normal and suspicious results.

Furthermore, the high sensitivity of our test pads shows clinically significant results for each parameter even at low concentration levels (e.g. the glucose test pad will react already at 50 mg/dL).



Easy-to-use

The CombiScreen® urine test strips have a consistent reading time of 60 seconds (up to 120 s for leucocytes). The long handle end prevents contact with the test pads, ensuring hygienic evaluation of the urine test strips. The aluminum vial sealed with a desiccant stopper protects the strips from light as well as humidity and allows one-hand operation.

Excellent ascorbic acid protection for glucose and blood pad

Ascorbic acid (Vitamin C) is ingested through foods, dietary supplements and as a preservative. Excess ascorbic acid is excreted in the urine and observed in a high proportion of the population. However, ascorbic acid inhibits the blood and glucose test pad reaction, which may cause false-negative results in the presence of hematuria or glucosuria and in consequence delay of necessary diagnostic or therapeutic measures. Therefore, the CombiScreen® PLUS urine test strips are equipped with an active protection of the glucose and blood test pad, which largely eliminates the interference with ascorbic acid. The classic CombiScreen® urine test strips do not include an ascorbic acid protection. However, a test pad indicates the level of ascorbic acid in the urine to provide a hint of possible interferences.



Four simple steps to achieve a multi-parameter result



Collect the midstream specimen of urine (preferably morning urine). Dip the strip about 2 sec. Take care all pads are wet.



Wipe off excessive urine at the edge of the tube.



Dip the strip on a tissue and keep it horizontal.



Compare the color of the test pads with the label after 60 sec. (Leucocytes up to 120 sec.). Note the result.

CombiScreen® Urine Control



CombiScreen® urine controls cover a wide range of analytes, including pregnancy markers and microalbumin. The controls are designed for use in manual and automated methods, to monitor the performance of a variety of urine test strips.



CombiScreen® Dip Check Art.-No. 93010

Ready-to-use dipper control

2 x 15 mL (Level 1 + Level 2)
Open vial stability (at 2–8 °C) of 75 days
or 20 determinations (whichever occurs first)

CombiScreen® Drop Check Art.-No. 93015

Ready-to-use dropper control

2 x 5 mL (Level 1 + Level 2)
Open vial stability of 18 months (2–8 °C)
or 30 days (20–25 °C)

Features:

- Based on human standard material
- Suitable for use in POC testing
- Shatter proof vials (polystyrene)
- 2D-barcode on tube vial for direct entry of LOT number and target values into Urialyzer® 100 Pro instruments
- Target values for CombiScreen® urine test strips
- Target values for Siemens and Roche urine test strips
- Parameters: Bilirubin, Urobilinogen, Ketones, Glucose, Protein, Blood, pH, Nitrite, Leucocytes, Specific Gravity, Microalbumin, Creatinine and hCG
- Qualitative hCG values

The Urilyzer® 100 Pro is a semi-automated urine test strip analyzer for single test strip reading. The system is provided with state of the art operator and QC management as well as enhanced connectivity capabilities to meet the growing demands for compliance management and data capture. The Urilyzer® 100 Pro including POCT features is unique in it's class.



- Throughput Up to 120 tests/hour (fast mode)
Up to 50 tests/hour (normal mode)
- Data storage Patient database: 3.000 tests
QC database: 1.000 tests
- Test strips CombiScreen® 12SYS PLUS
CombiScreen® 11SYS PLUS
CombiScreen® 7SYS PLUS
CombiScreen® 5SYS PLUS
CombiScreen® 11SYS
CombiScreen® mALB / CREA

Quantity delivered	Art.-No.
1 x Urine analyzer Urilyzer® 100 Pro	UL0100Pro
1 x User Manual	
1 x Thermal printer paper (57 mm x 25 m)	
2 x Test strip tray	
1 x Grey strip tray (Check strip)	
1 x Power supply (7.5 V DC / 3 A)	
1 x Power supply cord	
Consumables:	
Thermal printer paper (57 mm x 25 m) - 10 pcs.	A93010
Accessories:	
External Barcode Reader for Urilyzer® 100 / 500 Pro	A93025

Easy-to-use

- A Start-Up Wizard leads the operator through the user-defined settings upon first start of the device
- Automatic start of the measurement after placing the urine test strip allows hygienic and clean operation of the analyzer
- Positive results, reminders and warnings are shown in color (e.g. red or yellow) and can be easily identified
- The user interface offers a high level of customization with flexible testing and reporting options

Smart and safe operation

- Tracking of LOT-No. for urine test strips and quality control solutions
- Data management provides multiple filter options
- QC ranges can be entered via QR Code
- Automated QC analysis with customizable QC test reminders including lockout function
- System allows the allocation of different security levels to individual users

Connectivity capabilities

- Data can be transferred via serial connection or Ethernet
- A variety of interfaces for connecting external barcode scanner and/or keyboard (USB or PS2)
- Implemented protocols: HL7, LIS2 (ASTM+), POCT1-A2

POCT1-A2 features

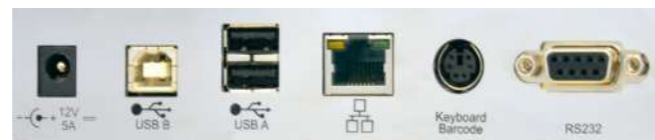
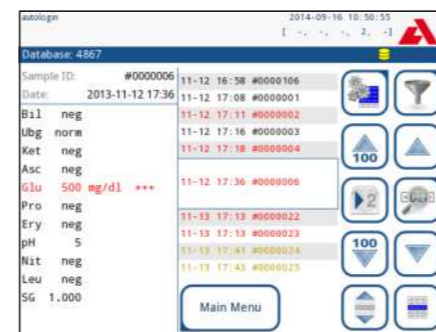
- Ready to use with Siemens POC-celerator™ and UniPOC™, Abbott AegisPOC and RADIOMETER AQUIRE middleware*
- Remote configuration via selected middleware
- Automated synchronization of date and time
- Messaging function enabling communications to operators or instruments
- Positive Patient Identification (PPID)
- Remote software update
- Test strip management
- QC solution management
- Proficiency test feature

* please contact us for other middleware options

Specifications

Type	Semi-automated urine test strip analyzer
Measurement technology	Reflectance photometer with 4 wavelengths: 505, 530, 620, 660 nm
Parameters	12 parameters: Bilirubin, Urobilinogen, Ketones, Glucose, Protein (Albumin), Creatinine, Blood (Hemoglobin), pH, Nitrite, Albumin, Leucocytes, Specific Gravity 11 parameters: Bilirubin, Urobilinogen, Ketones, Ascorbic Acid, Glucose, Protein (Albumin), Blood (Hemoglobin), pH, Nitrite, Leucocytes, Specific Gravity 7 parameters: Ketones, Glucose, Protein (Albumin), Blood (Hemoglobin), Nitrite, Leucocytes, pH 5 parameters: Glucose, Protein (Albumin), Blood (Hemoglobin), Nitrite, Leucocytes 2 parameters: Albumin, Creatinine (uACR)
Interfaces	Serial RS232, USB Type A, USB Type B, PS2 (external keyboard, barcode reader), Ethernet
Printer	Built-in thermal printer
Barcode Reader	External
Protocols	LIS2 (ASTM+), HL7, POCT1-A2
Features	Operator Management with advanced system security options Test strip & QC Management (full traceability via LOT and Expiry entry) Data Management, Power Management Start-Up Wizard Autostart of measurement (automatic strip detection) Automatic printout or transfer of result Flexible advanced information entry (e.g. sample color and turbidity) Flexible advanced testing and reporting options (e.g. sediment recommendation flag)

The Urilyzer® 500 Pro is a semi-automated urine test strip analyzer with continuous loading function. The system is provided with state of the art operator and QC management as well as enhanced connectivity capabilities to meet the growing demands for compliance management and data capture. Moreover, the system provides the user with a high level of customization with flexible testing and reporting options.



- Throughput Up to 500 tests/hour (continuous loading system)
- Data storage Patient database: 5.000 tests
QC database: 5.000 tests
- Test strips CombiScreen® 11SYS PLUS
CombiScreen® 11SYS
CombiScreen® 12SYS PLUS (new application is expected to be available from mid-2026.)

Quantity delivered	Art.-No.
1 x Urine analyzer Urilyzer® 500 Pro	UL0500Pro
1 x Quick Reference Guide	
1 x Thermal printer paper (57 mm x 25 m)	
1 x Drop tray	
1 x Strip timer rake	
1 x Test strip tray/waste bin	
1 x Grey check strip	
1 x Power supply (12 V DC / 5 A)	
1 x Power supply cord	
Consumables:	
Thermal printer paper (57 mm x 25 m) - 10 pcs.	A93010
Accessories:	
External Barcode Reader for Urilyzer® 100 / 500 Pro	A93025

Start-Up Wizard

- On first usage the operator can select the language. Afterwards, the Start-Up Wizard leads through the user-defined settings
- The Start-Up Wizard enables the user to perform measurements without having to go through the complete user manual

Operator Management

- Multiple authorization levels
- Programmable operator management provides customized access levels & prevents unauthorized use

Data Management

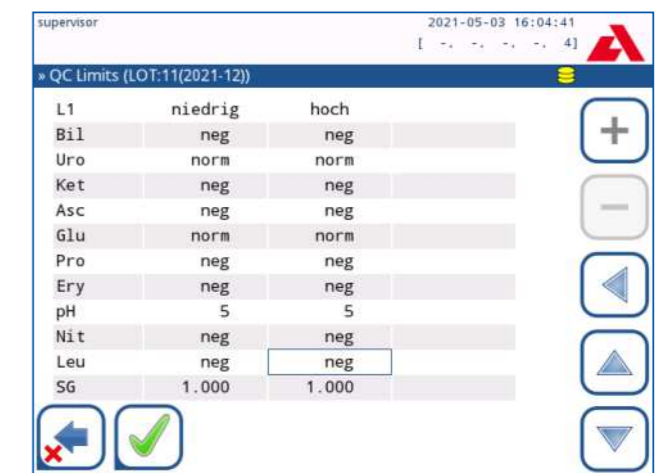
- Flexible, customized testing and reporting options
- Advanced data entry (e.g. color, clarity, LOT, expiry)
- Worklist transmission through LIS2 and HL7
- Optional barcode reader and external keyboard

Quality Control Management

- QC ranges can be entered manually
- Customizing of the QC protocol according to regulatory requirements and laboratory standards
- Enables QC reminder functions or lockout protocol in a customizable time interval
- QC results are compared to the entered reference values and the last 5.000 QC records are stored

Easy-to-use

- Automatic strip detection (autostart)
- Easy-to-use software
- Color touchscreen operation
- High throughput of up to 500 tests/hour
- Microscopy flag (sediment recommendation)
- Standby function
- Minimal maintenance and convenient cleaning
- Continuous loading system



QC ranges can be entered manually

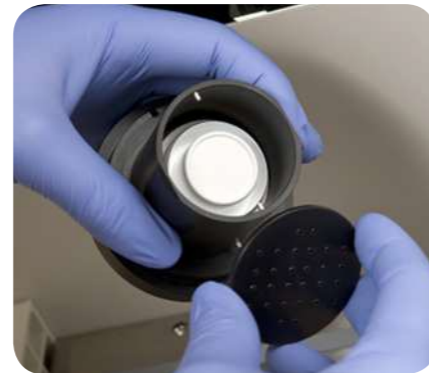
Specifications

Type	Semi-automated urine test strip analyzer with continuous loading
Measurement technology	Reflectance photometer with 4 wavelengths: 505, 530, 620, 660 nm
Parameters	11 parameters: Bilirubin, Urobilinogen, Ketones, Ascorbic Acid, Glucose, Protein (Albumin), Blood (Hemoglobin), pH, Nitrite, Leucocytes, Specific Gravity 12 parameters - new application is expected to be available from mid-2026: Bilirubin, Urobilinogen, Ketones, Glucose, Protein (Albumin), Creatinine, Blood (Hemoglobin), pH, Nitrite, Albumin, Leucocytes, Specific Gravity
Interfaces	Serial RS232, USB Type A, USB Type B, PS2 (external keyboard, barcode reader), Ethernet
Printer	Built-in thermal printer
Barcode Reader	External
Protocols	LIS2 (ASTM+), HL7
Features	Operator Management with advanced system security options Test strip & QC Management (full traceability via LOT and Expiry entry) Data Management Start-Up Wizard Autostart of measurement (automatic strip detection) Automatic printout or transfer of result Flexible advanced information entry (e.g. sample color and turbidity) Flexible advanced testing and reporting options (e.g. sediment recommendation flag)

Urilyzer® Auto

The Urilyzer® Auto is a fully automatic urine test strip analyzer with a combined pipetting and measuring head technology for the analysis of CombiScreen® 11 Auto and Auto ACR urine test strips. In addition, the system has a physical measurement cell module for determination of specific gravity, color and turbidity.

- Throughput of up to 240 tests/hour with a loading capacity of up to 100 samples in one batch
- Comfortable color touchscreen
- Built-in barcode reader
- Patient and QC database: 10.000 tests
- Loading capacity (urine test strips): 300 (two tubes)
- Minimum sample volume: 2 mL (native urine)
- Paediatric mode for measuring small sample volumes
- Operator Management
- Test strip & QC Management (full traceability via LOT and Expiry entry)
- Only distilled water permanently connected (at least 300 tests can be performed with 5 L distilled water)
- Connection to Urilyzer® Cell possible



Filling the strip container directly with two tubes of CombiScreen® urine test strips. The drying agent may be used to ensure on-board stability.

Quantity delivered	Art.-No.
1 x Urilyzer® Auto	ULA240
1 x Rack mover unit	
1 x Quick reference guide	
1 x Power cord and 1 x serial cable	
1 x Waste container and 1 x wash container	
1 x Container holder	
3 x Pipes	
1 x Dropping strip tray	
1 x Pipetting tray	
1 x Strip forwarding comb	
2 x Touchscreen pen	

Urilyzer® Cell

The Urilyzer® Cell is a semi-automatic urine sediment analyzer for professional use. After manual pipetting of the sample into the cuvette, sample processing, microscopy and evaluation are performed automatically.

The Urilyzer® Cell increases the reproducibility and accuracy of urine sediment analysis based on the gold standard method. The automation of time-consuming sample processing also increases productivity. The compact design and ease of use make the Urilyzer® Cell ideal for use in medical practices and small laboratories.

- Easy to use
- Throughput of up to 60 tests/hour
- Required sample volume: ~175 µL native urine
- No additional reagents required
- Suitable for laboratories and practices with limited space
- Automatic generation of HPF-like images
- Automatic identification of particles
- Real-time microscopy possible in manual mode
- User-friendly, configurable application software for data processing, result validation and generation of complete analysis reports
- Connection to middleware, LIS and Urilyzer® 100 Pro / Urilyzer® 500 Pro and Urilyzer® Auto possible
- New: measurement of five body fluids possible in RUO mode

Connectivity options

The connection options to an Urilyzer® 100 Pro or 500 Pro and the connection to a laboratory information system (LIS) or middleware enable a complete urine analysis in less than 3 minutes. The auto-transfer function allows the automatic transfer of the urine test strip result as well as the associated sediment result into the patient's file. In this way, the combined result is accessible in the shortest possible time.

Quantity delivered	Art.-Nr.
1 x Urilyzer® Cell	ULC060
1 x Quick reference guide	
1 x Monitor	
1 x Keyboard and 1x PC-mouse	
1 x main connection cable	
Accessories:	
Urilyzer® Cell Cuvettes (à 600 pieces)	ULC001
Body Fluid stain (4 x 15 mL)	BFS-9901-1
Extras:	
External Barcode Reader (optional)	A93025
Pipette (100 - 1.000 µl) (optional)	ULC002
Connection cable RS 232 (optional)	A93026



Artificial Intelligence-based Evaluation Module (AIEM)

After manual pipetting of the sample into the cuvette, sample processing and microscopy are performed automatically. The microscope creates HPF-like brightfield images that are automatically evaluated by a neural network based image processing software algorithm called AIEM, which automatically classifies and counts the urine sediment particles in the images.

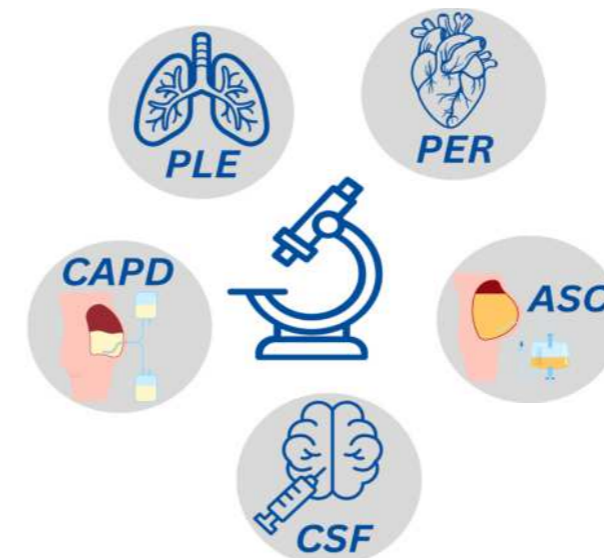


Specifications

Type	Semi-automated urine sediment analyzer
Measuring technology	Cuvette-based automatic microscopy and image processing
Parameter	Red Blood Cells (RBC), Leukocytes (WBC, WBCc), Hyaline Casts (HYA), Pathological Casts (PAT), Squamous Epithelial Cells (EPI), Non-Squamous Epithelial Cells (NEC), Bacteria (BAC, BACr, BACc), Yeast (YEA), Crystals (CRY) [Calcium-oxalate monohydrate (CaOxm), Calcium-oxalate dihydrate (CaOxd), Uric acid (URI), Triple phosphate (TRI)], Mucus (MUC), Sperm (SPRM) Further classes for manual subclassification are available
Throughput	Up to 60 tests/hour
Sample volume	~175 µl
Data storage	Up to 5.000 results (including images)
Display	Monitor, external (included in scope of delivery)
Interfaces	USB, Ethernet, RS 232
Dimensions	305 x 315 x 325 mm (WxDxH)
Weight	10 kg
Power supply	100-240 V AC +/- 10% / max. 6 A
Operating environment	Temperature: +15 °C to +32 °C Relative humidity (non-condensing): 30% to 80% at 30 °C
Printer	Optional, external
Barcode reader	Optional, external
Protocols	LIS2 (ASTM+), HL7
Features	<ul style="list-style-type: none"> Integrated centrifuge, integrated microscope User management with different access rights Barcode identification Automatic validation of results QC- Management
Languages	German, English, French, Italian, Spanish, Portuguese, Turkish, Polish, Czech, Slovakian, Hungarian, Russian

Body Fluid Measurement mode is a new software feature on the Urilyzer[®] Cell which is available only in RUO mode (Research Use Only).

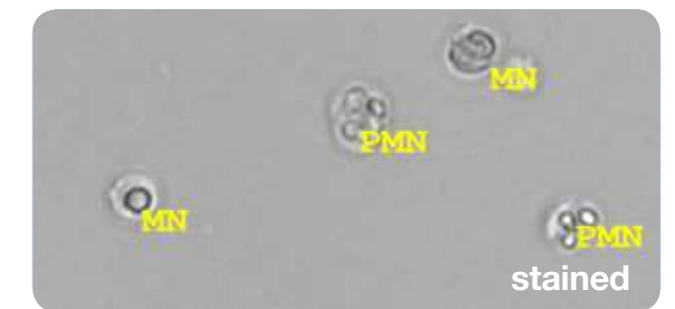
The measurement mode enables different body fluids (Cerebrospinal fluid - CSF, Ascitic fluid - ASC, Pleural fluid - PLE, Pericardial fluid - PER, Continuous Ambulatory Peritoneal Dialysis - CAPD) to be analyzed in two measurement steps.



Step 2: Measurement of stained body fluid sample

In the second measurement step the stain is added to the sample manually in a ratio 1:1 (no incubation time) to determine:

- Mononuclear white blood cells (MN%, differential)
- Polymorphonuclear white blood cells (PMN%, differential)
- Other nucleated cells (ONC, p/µL or p/HPF, semi-quantitative)



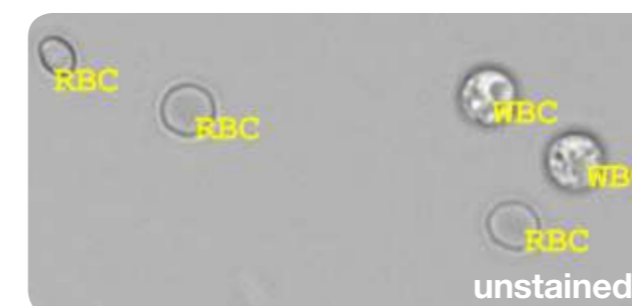
The staining highlights the nucleus of the WBCs and enables the detection of the WBC subcategories (MN, PMN).

Workflow

Step 1: Measurement of native body fluid sample

First the unstained sample is measured to determine:

- Red blood cells (RBC, p/µL or p/HPF, quantitative)
- White blood cells (WBC, p/µL or p/HPF, quantitative)

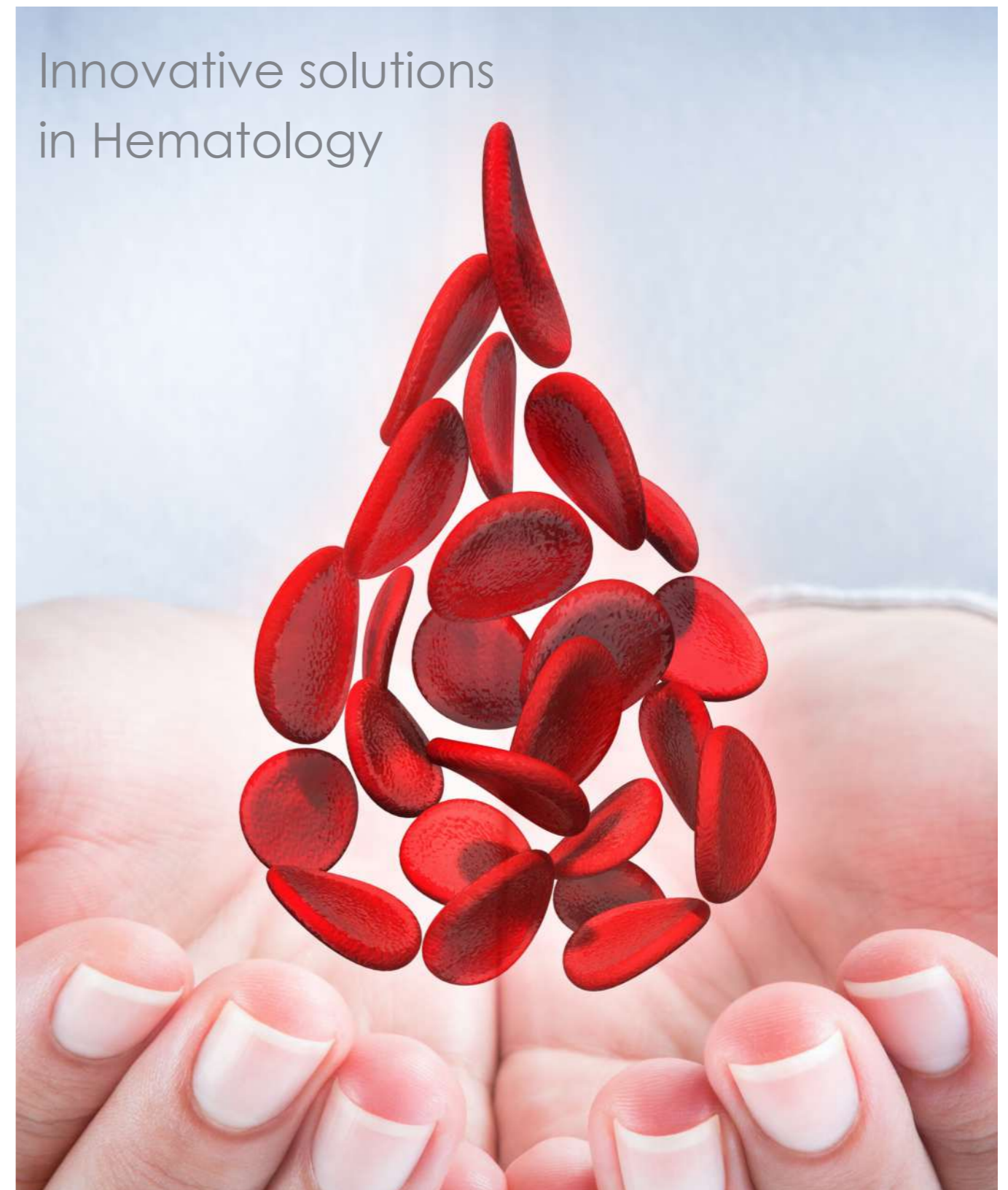


Body Fluid stain



Body Fluid stain Art.-No. BFS-9901-1
4 x 15 mL staining (TÜRK type solution)
Storage conditions: +2 °C to +35 °C
Shelf life: 24 months

Innovative solutions
in Hematology



The next generation of Hemolyzer instruments



Hemolyzer® 3 NG Art.-No.: **HE3100**
 Type 3-part WBC Diff hematology analyzer
 Parameter 22 parameters: WBC, LYM, MID, GRA, LYM%, MID%, GRA%, HGB, RBC, HCT, MCV, RDWcv, RDWsd, MCH, MCHC, PLT, MPV, PCT, PDWcv, PDWsd, PLC-R%, PLC-C
 Sampling mode Closed or open vials
 Throughput 60 tests/hour
 QR Code / barcode scan by integrated barcode reader



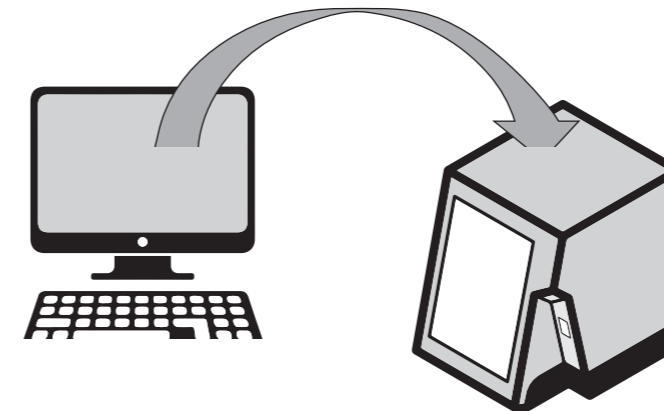
Hemolyzer® 5 NG (closed mode) Art.-No.: **HE5100**
 Type 5-part WBC Diff hematology analyzer
 Parameter 27 parameters: WBC, LYM, MON, NEU, EOS, BAS, LYM%, MON%, NEU%, EOS% BAS%, RBC, HGB, HCT, MCV, RDWsd, RDWcv, MCH, MCHC, PLT, MPV, PCT, PDWcv, PDWsd, PLC-R%, PLC-C, NLR
 Sampling mode Closed vial mode
 Throughput 60 tests/hour
 QR Code scan by on-board camera

Autosampler Art.-No.: **HE0350**
 suitable for Hemolyzer® 5 NG (closed); 50 positions

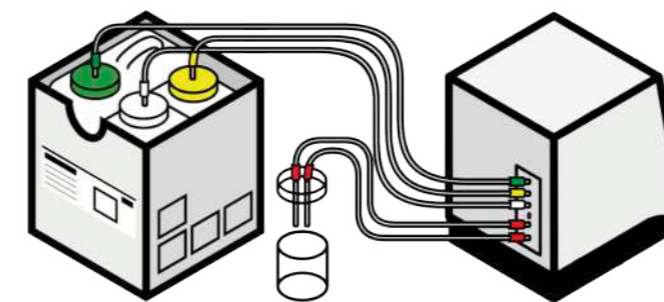


Hemolyzer® 5 NG (open mode) Art.-No.: **HE5200**
 Type 5-part WBC Diff hematology analyzer
 Parameter 27 parameters: WBC, LYM, MON, NEU, EOS, BAS, LYM%, MON%, NEU%, EOS% BAS%, RBC, HGB, HCT, MCV, RDWsd, RDWcv, MCH, MCHC, PLT, MPV, PCT, PDWcv, PDWsd, PLC-R%, PLC-C, NLR
 Sampling mode Open vial mode
 Throughput 57 tests/hour
 QR code scan by on-board camera

- Gesture-driven user interface via touchscreen
- Time saving and efficient operation
- Low sample volume and small footprint offer numerous application from emergency room to central lab (even capillary blood handling)
- The Hemolyzer® NG combines proven reliability and speed with ecological and economical performance



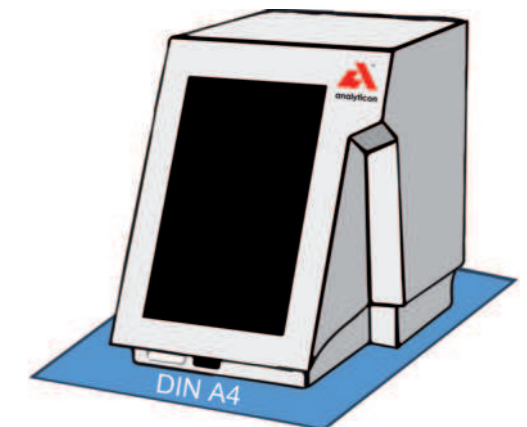
- Remote access provides online support for efficient troubleshooting and reducing downtime



- Microfluidic reagent handling provides minimal reagent volume usage resulting in an optimized and compact reagent concept (reagent packs)

Quantity delivered

- 1 x Hemolyzer® NG
- 1 x Quick reference guide
- 1 x Reagent connector guide
- 1 x Reagent Tube set
- 1 x Power supply
- 1 x Power cord
- 1 x Installation report



Reagent	Hemolyzer®	Art.-No.	Kit size
H3-Compact 100 (Reagent pack: Diluent, Lyse, Cleaner)	3 NG	HE3701	100 tests
H3-Compact 500 (Reagent pack: Diluent, Lyse, Cleaner)	3 NG	HE3705	500 tests
H5-Compact 100 (Reagent pack: Diluent, Lyse, Cleaner)	5 NG closed	HE5701	100 tests
H5-Compact 400 (Reagent pack: Diluent, Lyse, Cleaner)	5 NG closed	HE5704	400 tests
H5-Compact 100-O (Reagent pack: Diluent, Lyse, Cleaner)	5 NG open	HE5707	100 tests
H5-Compact 250-O (Reagent pack: Diluent, Lyse, Cleaner)	5 NG open	HE5709	250 tests
Controls & Calibrators	Hemolyzer® NG	Art.-No.	Kit size
H3-Check Complete (low, normal, high level)	3 NG	HE3504	6 x 2.5 mL
H3-Check Normal (normal level)	3 NG	HE3505	6 x 2.5 mL
H5-Check Complete (low, normal, high level)	5 NG open/closed	HE5504	6 x 3 mL
H5-Check Normal (normal level)	5 NG open/closed	HE5505	6 x 3 mL
H3/5-Cal	3 NG / 5 NG open/closed	HE3611	2.5 mL
Consumables	Hemolyzer® NG	Art.-No.	Kit size
H3/5-Hypoclean	3 NG / 5 NG open/closed	HE3413	5 x 100 mL
H5-Opticlean	5 NG open/closed	HE3422	5 x 100 mL



Product material



Product videos



The explosives test providing security

The hergex[®] 1000 and hergex[®] 2000 explosives detection methods open up new dimensions in detection.

A simple test stick is sufficient to detect and differentiate dangerous high-energy substances quickly and reliably. In the case of the most commonly used and highly sensitive, home-made explosive TATP, the substance does not even need to be touched. The gas phase above the tiny crystals is sufficient to detect this peroxide-based explosive within seconds.

Advantages at a glance:

- Fast: Delivers results within 5 seconds
- Lightweight, easy to transport.
- Ideally suited for applications with remote-controlled robots and drones.
- Easy to use, easy to transport: All test components are small enough to fit in a jacket pocket.

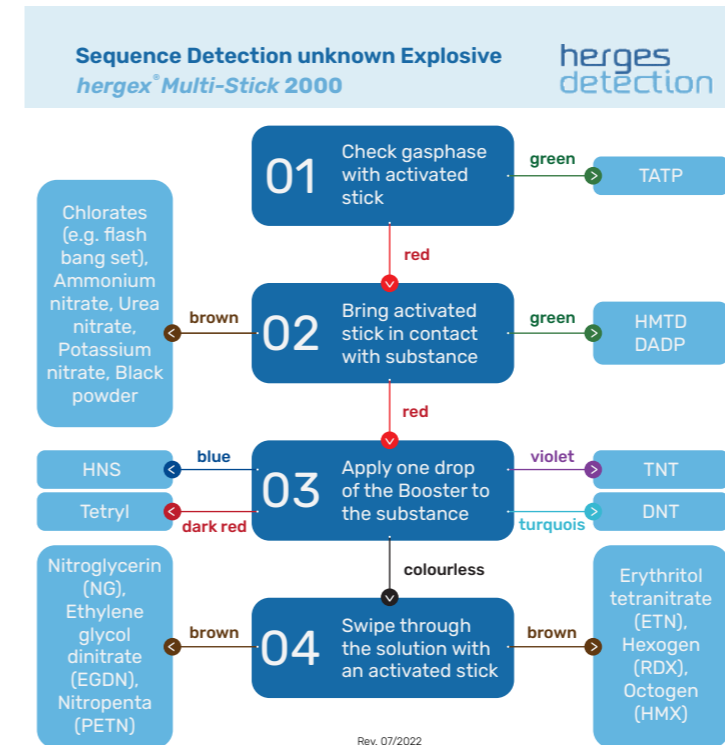
Areas of application

The simple, sensitive and reliable hergex[®] explosives detection methods give you a better basis for decision-making in dangerous situations. The hergex test is already used in numerous applications, for example:

- Explosive ordnance disposal services
- Detection of ammunition remnants, for example from the 2nd World War
- Detection and search of illegal laboratories
- House searches
- Personal protection
- Forensics on site after explosions
- Military operations



Quantity delivered	Art.-No.
hergex [®] Multi-Stick 1000 5 test strips and 1 Activator vial	hergex1000_5
hergex [®] Multi-Stick 1000 10 test strips and 2 Activator vials	hergex1000_10
hergex [®] Multi-Stick 2000 10 test strips, 2 Activator vials and 2 Booster vials	hergex2000_10



Within 5 seconds, the color of the stick changes and shows the result of the test. Everything needed to perform the test is contained in a handy and lightweight container that fits comfortably in a jacket pocket. No power connection, no electronics, no warm-up time, no maintenance and no professional training required.

The test strips are particularly suitable for everyday police operations, investigations in illegal laboratories, bomb disposal and security checks. Above all, however, they offer immediate safety for the emergency services on site.

This worldwide first and unique detection method will change the way explosives have been tested to date and improve safety at national and international level.

The stick is non-toxic and can be disposed of in normal household waste after use. The contents of the Activator bottles are corrosive. However, the empty vials can be disposed of in normal household waste.

Storage at 0 °C to 60 °C, use at 4 °C to 30 °C.

Category	Acronym	Designation	Detection limit
Peroxides	TATP	Triacetone triperoxide	40 ng
	HMTD	Hexamethylene triperoxide diamine	50 ng
Oxyhalogen anions	KClO ₃	Potassium chlorate	270 ng
	AN	Ammonium nitrate, NH ₄ NO ₃	85 ng
Inorganic nitrates	UN	Urea nitrate	350 ng
	TNT	2,4,6-Trinitrotoluene	115 ng
Nitroaromatics	DNT	2,4-Dinitrotoluene	85 ng
	Tetryl	Trinitrophenylmethylnitramin	85 ng
Organic nitrates	HNS	Hexanitrostilbene	115 ng
	NG	Nitroglycerine	815 ng
Nitramine	EGDN	Ethylene glycol dinitrate	600 ng
	PETN	Pentaerythritol tetranitrate	1.3 µg
	ETN	Erythritol tetranitrate	1.5 µg
Nitramine	RDX	Hexogen	275 ng
	HMX	Octogen	1.2 µg

Fast. Reliable. Close to Patients.

Distributor information



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