

CombiScreen® PLUS



- Initial screening for a wide range of diseases
- Ascorbic acid protection for glucose and blood
- Distinct color change in the clinically relevant range

Application of urine test strips

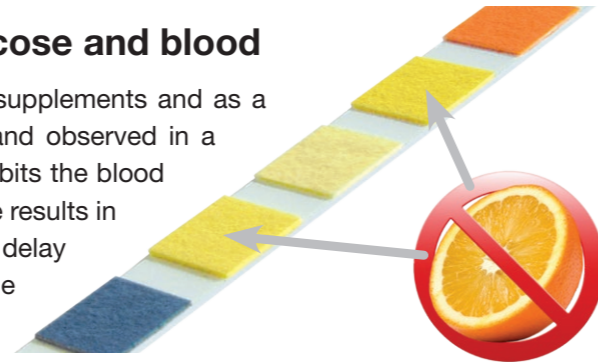
Urine test strips are easy-to-use, cost-effective and provide fast and reliable information on pathological changes in the organism. Urine test strips are intended to be used as a screening test for

- 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 self-monitor the metabolic situation of diabetic patients.

Excellent ascorbic acid protection for glucose and blood

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.



Easy-to-use

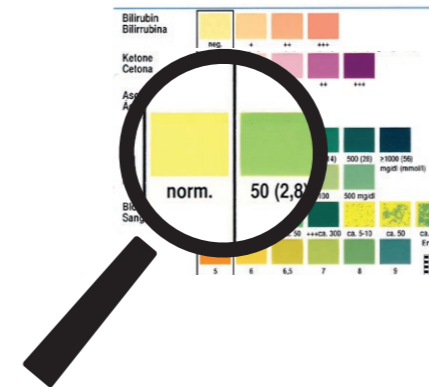
The CombiScreen® urine test strips have a consistent reading time of 60 seconds (up to 120 for leucocytes). The long handle end prevents contact with the test pads, ensuring hygienic evaluation of the urine test strips. The aluminum vial sealed with a desiccant stopper protects the strips from light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

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. Incubation time: 60 sec., Leucocytes up to 120 sec.
- Compare the color of the test pads with the label after 60 sec. In this example Glucose and Ascorbic acid is positive.
- Note the result.

Distinct color changes in the clinically relevant range



In order to obtain clear results, CombiScreen® urine test strips show a distinct color change in the clinically relevant range, which enables the differentiation between normal and suspicious findings. Furthermore, the high sensitivity of our test pads shows clinically significant results for each parameter even at low concentration levels (e.g. the glucose pad will react already at 50 mg/dl).

CombiScreen® mALB / CREA for detection of microalbuminuria

The strip is used for screening of microalbuminuria in people with chronic diseases such as diabetes mellitus or high blood pressure, who have an increased risk of developing a chronic kidney disease.

	A	B	C	D	E
Crea	10 (0,9)	50 (4,4)	100 (8,8)	200 (17,7)	300 (26,5)
Alb	10	30	80	150	500

	A	B	C	D	E
1	X				
2					
3					
4					
5					

= Normal = High Abnormal
 = Abnormal = Recollect sample



- The urine test strip is based on the evaluation of albumin-to-creatinine ratio in spontaneous voided urine samples, which eliminates the need of 24-hour sample collection.
- The albumin-to-creatinine ratio provides accurate information on albumin level in urine, regardless of the urine concentration.
- Fast and easy handling: The result can be read directly from the table on the label after 60s.
- The detection limit of approx. 20 mg/l Albumin offers a screening assay with high sensitivity.

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	■	■	■	■	■	■	■	■	■	■	■	■	■		
11Auto³⁾	95150	150	■	■	■	■	■	■	■	■	■	■	■	■	■		
mALB / CREA	94025	25														■	■
CombiScreen[®] classic line – without ascorbic acid protection																	
GP	93104	100	■			■											
3	93108	100	■			■	■										
GAK	93107	100	■	■	■												
GPK	93105	100	■		■	■											
5 B	93134	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 CombiScan[®] and Urilyzer[®] 100/500 Pro instruments

³⁾ System test strips to be used with Urilyzer[®] Auto instruments



Control

	Pack size	Art.-No.
CombiScreen [®] Dip Check	2 x 15 ml	93010
CombiScreen [®] Drop Check	2 x 5 ml	93015

The controls consist of 2 ready-to-use solutions which enable the quality assurance covering the complete clinically relevant range.

Pack size

Art.-No.

Analyzer

Urilyzer[®] 100 Pro
120 tests/hour, semi automated
Urilyzer[®] 500 Pro
500 tests/hour, semi automated
Urilyzer[®] Auto
240 tests/hour, fully automated

Distributor information



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