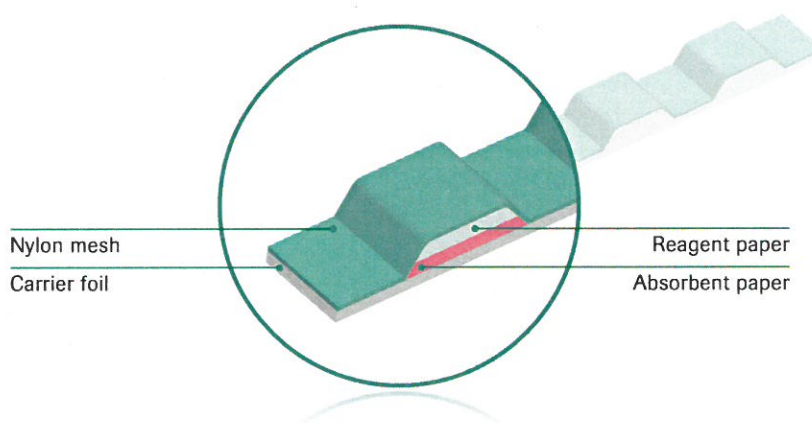


Combur-Test® strip technology

Accurate, safe and protective



Be confident with the results

Count on protection and stable performance since sensitive areas are protected against contact, contamination or abrasion with the application of a nylon mesh

Have no doubts

Benefit from a uniform color development of test pads due to the usage of a fine porous nylon mesh

Believe in what you see

Be convinced of your diagnosis. Identify even slight pathological changes in the urine as a result of high sensitivity and clear color changes in the test area

Detect UTI for sure

Prevent false leukocyte results through improved reagent stability in the leukocyte test pad

Don't worry with ascorbic acid

Avoid patient revisits just because of vitamin C interference with iodate impregnated components protecting blood and glucose detection even from high levels of ascorbic acid

Rely on quality

Provide a basis for standardized diagnostic procedures with the application of high-quality urine test strips based on years of research and development



cobas®
Life needs answers

Combur-Test® strip technology

Specifications

Nylon mesh fixing of components – unique sealing technology

No interference with glue components
Avoidance of contamination by protective function
Uniform liquid penetration and color development
No run over of reaction color

Stable reaction colors

Synchronized reaction time
All in 60 seconds

Sturdy plastic carrier foil

No splashing of urine, hygienic strip reading
Absorbent paper

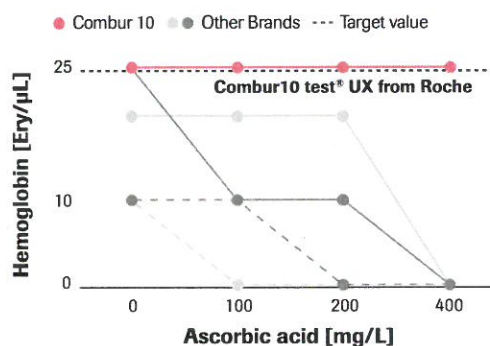
Iodate impregnated component

Protects blood and glucose test areas efficiently from ascorbic acid interference and false-negative results by oxidation even at high concentrations of vitamin C. When five common 10 parameter urine test strips are compared, Combur-Test® strip showed the highest resistance to ascorbic acid interference at higher hemoglobin or glucose concentrations¹:

Ascorbic acid interference in routine analysis

Hemoglobin

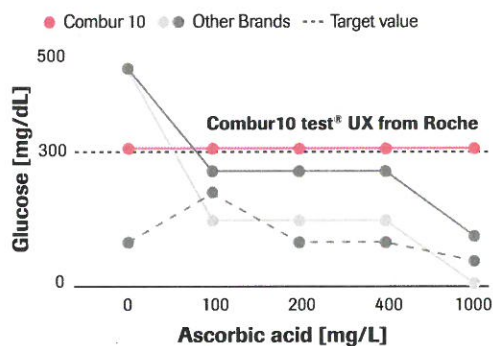
(Target value of 0.075 mg/dL = 25 Ery/μL)



At a hemoglobin concentration of 0.075 mg/dL, Combur-Test® strips were the only brand to register a correct analysis with ascorbic acid levels as high as 400 mg/L¹

Glucose

(Target value of 300 mg/dL)



At a glucose concentration of 300 mg/L, Combur-Test® strips were the only brand to show consistently accurate results, even at an ascorbic acid level of 1000 mg/L¹

Additional diazonium salt impregnated mesh

Improves reagent stability in the leukocyte test pad

Absorbent paper

Prevents chemical interference

Low test detection limits

High sensitivity and specificity
With no ascorbic acid present, only three out of five tests were able to detect pathologically relevant low hemoglobin and glucose concentrations of 0.03 mg/dL and 50 mg/dL, respectively¹

Reliable visual evaluation

Colorfast printing colors on the label
Reading of all test pads at once at a consistent reading time

References

1. Nagel, D., Seiler, D., Hohenberger, E.F., Ziegler, M. (2006). Investigations of ascorbic acid interference in urine test strips. *Clin Lab*; 52:149-153.

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