

Test strips for rapid detection of ketones in urine

Instructions for Use

Application

Screening test for detection of metabolic anomalies.

The test is also suitable for use

- in preventive diagnosis (screening);
- for monitoring progress or relapse during therapy;
- for self-monitoring by the patient.

These urine test strips serve exclusively for detecting morbid (pathological) changes in human urine.

Notes

Discuss any positive or any unclear results with your doctor. You must also do this if this test does not give a positive result, but the ailments persist.

If you suspect a false negative result, please repeat the test with a test strip from an unopened container or ask your physician. Your doctor will carry out further investigations with the usual methods in his laboratory. In principle, individual test strip results enable definitive diagnosis and targeted therapy only in combination with other medical findings.

Use only clean, well-rinsed containers to collect urine.

Test urine preferably immediately after collection.

Always remove only the required number of test strips. Do not touch the test field!

Tightly close container immediately after removal.

Do not remove the drying agent from the stopper, do not damage the stopper.

Protect test strips from sunlight and moisture. Store the container in a cool and dry place (do not refrigerate!) at a temperature between 4 ... 30 °C (39 ... 86 °F). The test strips can be used up to the imprinted expiry date if stored properly. Always discard damaged test strips or containers.

Information and additional notes

Principle

The test is based on the principle of the Legal's test. Aceto-acetic acid and acetone react with sodium nitroprusside in an alkaline medium to produce a violet color complex.

Evaluation – Sources of error

Normally ketones can not be detected in urine. The test is more sensitive to acetoacetic acid than to acetone. Values above 5 mg/dL acetoacetic acid or 50 mg/dL acetone are indicated. The color fields are associated with acetoacetic acid concentrations as follows:

- 0 (negative), 25 (+), 100 (++) and 300 (+++) mg/dL or

- 0 (negative), 2.5 (+), 10 (++) and 30 (++) mmol/L

Phenyl ketones interfere in higher concentrations, but result in a different color. β -hydroxybutyric acid is not detected.

Phthalic compounds produce reddish shades on the test field.

Quality Control in professional use

The performance of the test strips should be confirmed by use of positive and negative control solutions. Positive and negative controls should be analyzed once a day, whenever a new bottle of strips is opened, whenever a new lot of strips is started, and every 30 days to check storage conditions. Each laboratory should establish its own goals for adequate standards of performance, and should question handling and testing procedures if these standards are not met.



Statement of Conformity (Product corresponds to the In-Vitro Diagnostic Medical Devices Directive 98/79/EC of the European Union)



Please read instructions for use!



Permitted storage temperature range



Use by



Batch identification



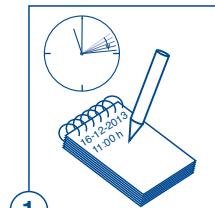
Item number



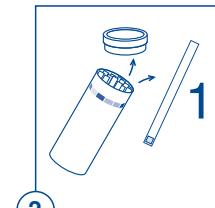
Manufacturer



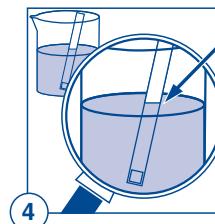
Do not reuse

Durchführung des Harntests
Reihenfolge hierbei genau beachten:

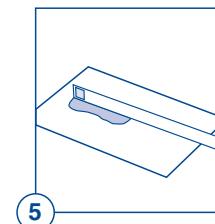
1. Uhr mit Sekundenanzeiger bereitlegen. Datum und Uhrzeit notieren.
2. Dose öffnen. Nur einen Teststreifen entnehmen. Reaktionszone / Testfeld nicht berühren!
3. Dose nach der Entnahme sofort wieder fest verschließen.



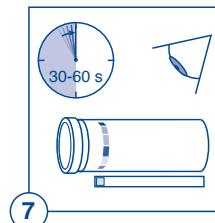
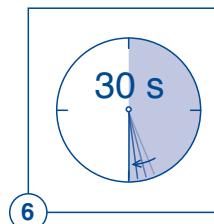
1. Provide clock with second hand. Note date and time.
2. Open container. Remove one test strip only. Do not touch reaction zone/test field!
3. Close container tightly immediately after removing test strip.



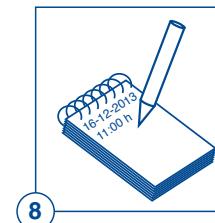
4. Teststreifen ca. 1 Sekunde in den Harn eintauchen. Das Testfeld muss mit Harn benetzt werden.
5. Nach Herausziehen des Teststreifens aus der Harnprobe seitliche Kante auf Papier kurz abtupfen. Teststreifen nicht aus der Hand legen.
6. 30 Sekunden warten.



4. Immerse test strip in the urine for approximately 1 second. The test field must be submerged.
5. After removing the test strip from the urine sample, briefly dab the lateral edge on paper. Do not put the test strip down.
6. Wait for 30 seconds.



7. Mit der Auswertung beginnen:
Auf dem Dosenetikett befindet sich für das Testfeld eine Farbreihe. Dem Testfeld ist ein Farbwert zuzuordnen. Wenn keine Übereinstimmung gefunden wird, ist der Farbwert zu wählen, der dem Testfeld am nächsten kommt.
8. Ergebnis notieren und Ihrem Arzt beim nächsten Besuch vorlegen.
9. Bewertung spätestens 60 Sekunden nach dem Eintauchen beenden.
Diese zeitliche Begrenzung beachten, da das Testfeld seine Farbintensität auch danach weiter ändert.



7. Start the evaluation: On the container label a color sequence for the test field can be found. Assign the test field to a color value of its sequence. Find a match or select the color value that comes as close as possible to the test field.
8. Note the result and submit it to your physician at your next visit.
9. Finish the evaluation within 60 seconds after immersion at the latest. Observe this time limit, since the test field still changes its color intensity after this period.

Teststreifen nach der Auswertung wegwerfen.
NICHT mehrfach verwenden!

Ändern Sie nie die Einnahme der verordneten Medikamente aufgrund eines Resultats dieser Teststreifen.

Test procedure
Follow this sequence exactly:

Discard test strip after evaluation.
DO NOT use more than once!
Never change the intake of prescribed medication as a result of this test.