

## nal von minden Drug-Screen® CAT Rapid Test

Rapid test for the detection of cathine in urine · Cut-off: 100 ng/mL

### Nature's amphetamine

Cathine is a psychoactive stimulant which functions like an amphetamine. However, this substance does not have to be chemically synthesised – both cathine and cathinone (the active ingredient of which cathine is the main metabolite) are naturally occurring in the leaves of the khat plant (*Catha edulis*). This shrub is cultivated in the Arabian Peninsula and the Horn of Africa – primarily in Saudi Arabia, Ethiopia, Somalia, Kenya and Yemen. In these countries, khat has traditional medicinal uses and is also an integral part of the local culture. Although the use of khat is not yet widespread in Europe, seizures of khat leaves are becoming increasingly common. While it is not an internationally controlled substance, both khat and its active ingredient are listed as illicit drugs in most European countries – only in Great Britain are the sale and consumption of khat permitted.

### A diagnostic gap is closing

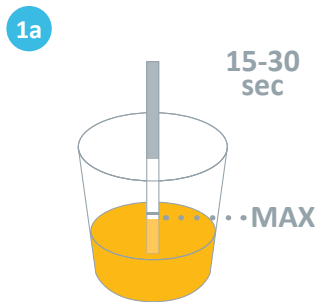
Although khat leaves can be brewed into tea or smoked, they are usually consumed by chewing them over several hours. As khat is predominantly eliminated in the form of cathine, the concentration of this metabolite can reach very high levels after consumption. 3 to 6 hours later, peak urinary concentrations ranging from 15,000 to 30,000 ng/mL can be measured.

The elimination half-life of cathine is approximately 2 to 8 hours. With the Drug-Screen® CAT 100 test, cathine in urine can be detected up to a maximum of approximately 72 hours after consumption.

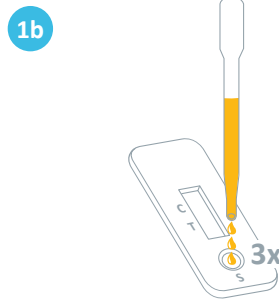
### Your benefits at a glance

- ✓ Detection window: chronic use: 2-3 weeks / one-off use: up to 3 days
- ✓ Detection of the main metabolite
- ✓ Qualitative test
- ✓ Easy to use
- ✓ Fast and reliable results in just 5-8 minutes
- ✓ Minimum shelf life of 11 months
- ✓ Can also be integrated into multi-test combinations
- ✓ In accordance with DIN EN ISO 15189 for medical laboratories, our rapid tests are also available barcoded for use in reader-based evaluation

## Test procedure



Immerse the test strip in the urine sample as far as the corresponding mark (MAX) for **15-30 seconds**. The liquid must not exceed the MAX mark.



Transfer **3 drops** (approx. 120 µL) of urine into each sample well. Make sure that the urine does not come into contact with other areas of the test.



Read the results of the drug test **after 5 minutes**. A confirmation of positive results after 8 minutes is recommended.

More detailed information can be found in the package insert.

## Test interpretation



## Cathine

Rapid tests for the detection of cathine in urine

Product	Format	Sample	Cut-off	Product code	Pack size
Drug-Screen CAT 100 Test	Test strips	Urine	100 ng/mL	101097	50 individually packed test strips
Drug-Screen CAT 100 Test	Test strips	Urine	100 ng/mL	101097N-10	10 individually packed test strips
Drug-Screen CAT 100 Test	Test cassettes	Urine	100 ng/mL	102097	30 individually packed test cassettes

Our **customer service team** is on hand to answer any questions you may have by telephone, via email or in a personal consultation. For details on **your local sales office and regional free phone numbers**, visit [www.nal-vonminden.com](http://www.nal-vonminden.com).

We help you care!

Rapid Tests

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Laboratory Service

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