

nal von minden Drug-Screen® UR-144 Rapid Test

For the detection of UR-144 in urine · Cut-off: 25 ng/mL

A dangerously potent synthetic cannabinoid

Of the more than 620 new psychoactive substances (NPS) being tracked by the EU early warning system, over a quarter are synthetic cannabinoid receptor agonists. One of these is UR-144. Originally developed and patented by Abbott Laboratories in the course of cannabis research, UR-144 – also known by the official designations TMCP-018, KM-X1, MN-001 and YX-17, or in the drug scene as K4 – is now flooding the drug market. As a selective full agonist of the psychoactive CB₁ receptor and especially the peripheral CB₂ receptor, UR-144 has effects similar to cannabis but is significantly more potent. Using UR-144 – originally a 'legal high' but now illegal in the majority of countries worldwide – means walking a fine line between a deliberate rush and an accidental overdose.

As is common among synthetic cannabinoids, the unknown or underestimated potency of the substance can lead to undesirable side effects such as paranoia, anxiety, panic attacks and even psychosis. In addition – and in contrast to natural cannabis – regular use can lead to a severe dependence which can trigger withdrawal symptoms.

A convenient cross-reaction

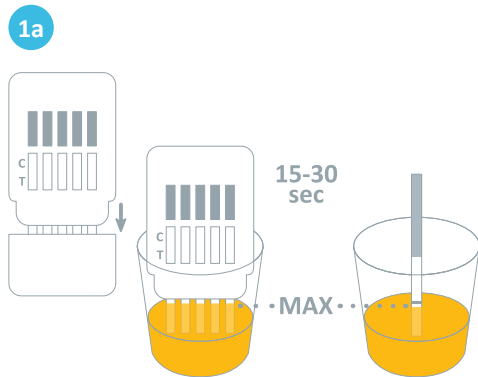
Because the two substances share a degradation product, the rapid test can detect the fluoridated variant XLR-11 (5F-UR-144) in urine, in addition to UR-144 itself. According to the US Drug Enforcement Administration (DEA), XLR-11 was among the top 10 synthetic cannabinoids reported in 2019.

The nal von minden Drug-Screen® UR-144 Rapid Test is a competitive immunoassay for the qualitative detection of UR-144 in human urine, with a cut-off of 25 ng/mL. It can be used as an aid in the initiation or monitoring of therapeutic measures. As an *in-vitro* diagnostic tool for professional use, the test delivers a visual, preliminary analytic result.

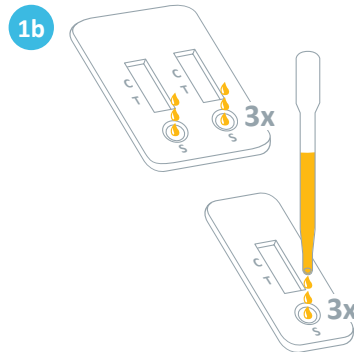
Your benefits at a glance

- ✓ Perfect in combination with our spice/K2 rapid test
- ✓ Detection time: 1-2 days
- ✓ Detection of the main metabolite
- ✓ Easy to use, delivering 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 direct contact with the reaction field.



Read the result of the drug test **after 5 minutes**. Confirming a positive result after 8 minutes is recommended.

More detailed information can be found in the instructions for use.

Result interpretation



Product	Format	Sample	Cut-off	Product code	Pack size
Drug-Screen UR-144 Rapid Test	Test strip	Urine	25 ng/mL	101095	50 individually packed test strips
Drug-Screen UR-144 Rapid Test	Test strip	Urine	25 ng/mL	101095N-10	10 individually packed test strips
Drug-Screen UR-144 Rapid Test	Test cassette	Urine	25 ng/mL	102095	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.

We help you care!

Rapid Tests

Laboratory Diagnostics

Laboratory Service

Consulting & Service

Headquarters

nal von minden GmbH · Carl-Zeiss-Strasse 12 · 47445 Moers · Germany
 Chief Executive Officers: Sandra von Minden · Roland Meißner · Thomas Zander
 Commercial reg. Kleve · HRB 5679
 Tel.: +49 941 290 10-0 · Fax: +49 941 290 10-50

info@nal-vonminden.com
www.nal-vonminden.com