new art laboratories

nal von minden



Rapid testing with the unique RSS flash

RSS flash mobile Reader

Test, interpret, document
The complete system for medical and drug testing

- ✓ Suitable for evaluation of urine, saliva, blood, substances and surface residues
- ✓ Premium high-tech device with long battery life
- ✓ Data capture using innovative and intuitive software
- ✓ Highly accurate results in just a few seconds

Rapid Tests

Laboratory Diagnostics

Laboratory Service

Consulting & Service



The convenient size and easy operability of the device makes it particularly user friendly. Whether testing urine, saliva, blood or suspicious substances, the RSS flash delivers a precise and objective interpretation in the blink of an eye.

Mobile rapid testing in laboratory quality

The RSS flash – versatile, innovative, objective

Our brand new RSS flash enables the on-site evaluation of nal von minden rapid tests in the blink of an eye. The mobile diagnosis device delivers objective and precise results in just 10 seconds. Lightweight and robust, it can be used anywhere. A reliable interpretation of cup and cassette test results is always guaranteed. With the help of immediate data capture and intuitive software, the visualisation and documentation of results is taken to a whole new level.

Your benefits with the RSS flash

Comprehensive and reliable

- ✓ A variety of matrices can be evaluated:
  Urine, saliva, blood, suspicious substances and surface residues
- ✓ Automatic barcode recognition of numerous tests
- ✓ Software in multiple languages
- ✓ Mobile – can be used anywhere
- ✓ Evaluation of up to 16 parameters simultaneously



Innovative and reliable:
Rapid results – whatever your needs!

1



Single cassette test
(Urine, blood, saliva)

2



3



Multi-dip/multi-cassette test
(Urine, blood, saliva)

4



Cup II
(Urine)

5



Saliva Cup
(Saliva)

6



Tracedetect test
(Substances and surface residues)

Objective

- ✓ Easy to use
- ✓ Modern touchscreen operation
- ✓ Complete result documentation
- ✓ Clear display and easy result backup
- ✓ Cable-free result printouts via bluetooth printer*
- ✓ Connection to PC possible
- ✓ Data export via CSV

* optional





Saliva samples

Simple detection of acute intoxication

For those working in the police service, saliva is by far the optimal sample material. It can be collected non-invasively and at no risk to the officers or suspects involved. For this reason, trained medical personnel are not required to be present. Another advantage of saliva is that sampling can be carried out anywhere and at any time, without the need to take the precautionary measures required for urine sampling. Sample manipulation can also be ruled out when it comes to saliva, as collection takes place under supervision.

Furthermore, and in contrast to urine tests, saliva tests are able to detect acute (current) drug influence or intoxication, allowing the time of consumption to be roughly established. It can then be ascertained whether the subject in question poses a risk to themselves or others.

When it comes to the detection of acute drug intoxication, blood analysis delivers the most conclusive results by far and, in general, saliva tends to demonstrate high correlation with blood. For this reason, the use of saliva tests narrows the scope of error. To be on the safe side in terms of legality, positive drug tests must always be confirmed in the laboratory and blood sampling carried out by a doctor.

The Saliva Cup Test

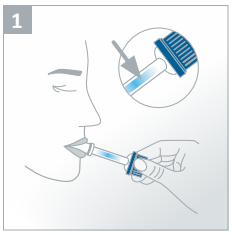
The new generation of saliva tests

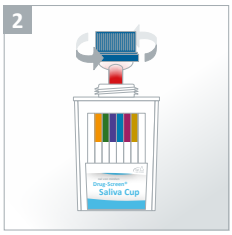
Comprehensive and reliable

- ✓ Optimised test procedure requiring just two steps
- ✓ Integrated volume indicator shows when a sufficient amount of saliva has been collected (by turning red)
- ✓ The snap-in screw cap function guarantees that the whole sample is extracted
- ✓ Custom combinations of up to 16 parameters possible



Simple test procedure and result interpretation requiring just 3 steps





Obtain the patient sample with the help of the saliva collector.

Place the saliva collector into the cup test and secure the lid.



Select the test manually or scan the barcode.

Press 'Start'.





Test results will be displayed.

and can be printed out.

Product highlight

Customised parameter combinations possible

Product	Parameter	Pack size	Product code
Drug-Screen Multi 5BA Saliva Cup Test	AMP50, COC20, MET50, MOR/OPI40, THC12	25	117050

The RSS flash can also evaluate saliva classic tests in cassette format.



Urine samples

As always, the standard in the detection of consumption

Urine is the most well-known and commonly used sample material when it comes to detecting the consumption of substances. Precise and more effective than ever — with a wide range of parameters, cut-offs and, thanks to a variety of test formats (such as test cassettes and cups), our tests are able to fulfil almost any requirement.

That urine sample collection is non-invasive and can be carried out by non-professionals makes it an attractive matrix for those using our tests. In addition to a watchful eye, adulteration parameters rule out the potential for the manipulation of urine samples. Whether an individual has ingested a large amount of water to dilute the sample, consumed certain substances in an attempt to interfere with detection or has added something to the urine itself, 7 adulteration parameters make our urine tests nigh on impossible to outwit.

What makes our urine tests particularly attractive is that several test formats enable the simultaneous screening of up to 16 parameters. Depending on the substance and cut-off level, our tests offer a detection window ranging from a matter of days to several weeks in many cases. The combination of parameters (both substance and adulteration) and cut-off levels can be individually selected by the customer, who also benefits from a high degree of effectiveness in terms of both time and costs.

Drug-Screen urine rapid tests

Dip, cassette or cup test – there's a test format to suit any requirement

Intuitive and adaptable

- ✓ Easy to use
- ✓ Reliable results in just a few minutes
- ✓ More than 35 parameters can be detected
- ✓ Tests can be customised to your particular requirements
- ✓ The Cup II test minimises the risk of coming into contact with sample material
- ✓ Thanks to separated sample and test chambers, the Cup II test enables testing to take place anywhere, anytime
- ✓ Up to 16 different parameters can be tested for simultaneously

A simple test procedure and result interpretation requiring just 3 steps





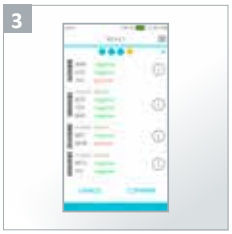


Carry out the test in your preferred format and then place the test into the device.





Select the test manually or scan the barcode.
Press 'Start'.





Test results will be displayed and can be printed out.

Product highlight

Personlised parameter combinations available!

Product	Parameter	Pack size	Product code
Cup II 12C	AMP1000, BUP10, BZD300, COC300, FYL10, MDMA500, MET1000, MOR/OPI300, MTD300, TCA1000, THC50, TML100	25	910122



Blood samples

For highly precise results

Due to the limitations of immunological detection, positive results obtained using saliva or urine samples are required by law to undergo confirmatory analysis by a laboratory. Following this, blood test results are permitted as evidence. The consumption of drugs and medications can be detected within a matter of minutes, and manipulating samples is almost impossible. However, blood sampling is invasive and may only be carried out by medical professionals — and even then only on the grounds of reasonable suspicion. It is for this reason that police and penal authorities first test using either saliva or urine.

Within the medical field, however, it is a different story. Here, blood is the favoured sample material, as tests can even be easily carried out on unconscious patients. Results indicate which substance has been consumed and thus prove a decisive aid in diagnosis and onward treatment.

Drug-Screen whole blood tests

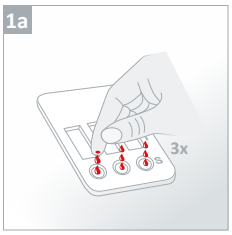
Rapid tests for the analysis of serum, plasma or heparinised whole blood samples

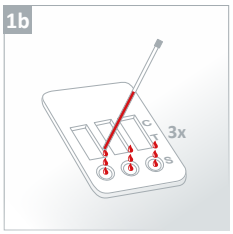
Fast & precise

- ✓ Venous blood or fingerstick samples suitable
- ✓ Substances are detectable within just a few minutes of consumption
- ✓ Samples cannot be adulterated
- ✓ Detection limits can be tailored to the parameter



Simple test procedure and result interpretation in just 3 steps





Dispense 3 drops of whole blood, whether obtained by fingerstick or with the help of a capillary tube, into the sample well of the test cassette.



Select the test manually or scan the barcode.
Press 'Start'.





Test results will be displayed
and can be printed out.

Product highlights

Personalised parameter combinations available!

Product	Parameter	Pack size	Product code
Multi 3XA	BAR100, BZD100, TCA300	25	1110030
Multi 8XA	AMP50, BAR100, BZD100, COC50, MET50, MOR/OPI40, TCA300, THC12	25	1110080
Multi 9XA	AMP50, BAR100, BZD100, COC50, MET50, MOR/OPI40, TCA300, THC12	25	1110090



Substance tests

Powders, pills and liquids — know what you're dealing with

The quick and simple identification of suspicious substances can be decisive to the work of police and customs officers, as well as law enforcement officers working in prisons. Treatment facilities and addiction centres are also often confronted with the discovery of powders, pills and liquids.

The precise identification of these substances can have significant judicial consequences for the suspect themselves. For this reason, it is often useful for investigating police to look not only at the suspect, but also at their surroundings. The detection of drug traces — such as those found on surfaces — can provide officers with valuable evidence. Chemical reaction-based solids tests which are commercially available require visible amounts of a suspicious substance before they can be carried out, and results are indicated by means of a colour change. They are known as colour or ampoule tests, and are characterised by the wide range of substances they can detect — though this is at the expense of their specificity. They are perfect for use a first step in narrowing down the substance group in question.

Tracedetect tests, in their usual lateral flow format, are based on an immunological detection method in accordance with the lock-key principle. In contrast to the colour tests, they enable the particularly sensitive detection of substances in conjunction with comparably high specificity. The detection of invisible residues on surfaces is simple with the use of our Tracedetect substance tests. They prove particularly useful when used alongside colour tests, which help to narrow down the substance group in question and reduce costs and time requirements to a minimum.

Tracedetect substance tests

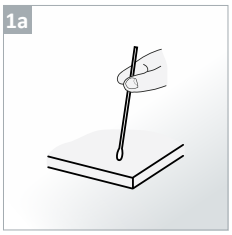
For the highly sensitive detection of substance traces

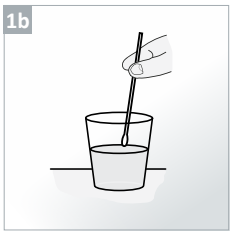
Comprehensive and reliable

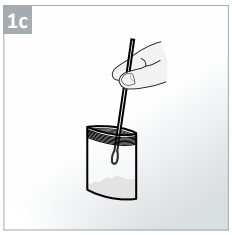
- ✓ Simple identification of suspected substances
- ✓ Suitable for identification of powders, solids, liquids and surfaces
- ✓ Kit contains accessories for sample extraction and transport
- ✓ Safe and easy to use



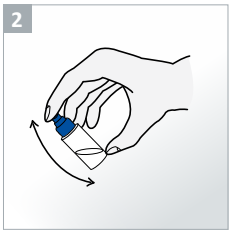
Simple test procedure and result interpretation requiring just 4 steps

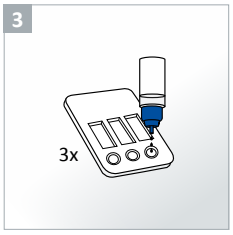






Evaluation of surface residues, liquids or solids (e.g. powders or tablets).



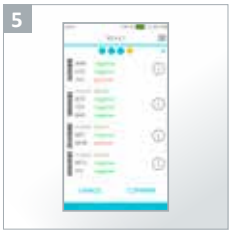


Transfer the sample into the sample tube and shake it.

Add 3 drops of the sample solution to the sample well of the test cassette.



Select the test manually or scan the barcode.
Press 'Start'.





The test results will be displayed and can be printed out.

Product highlights

Product	Parameter	Pack size	Product number
Multi 5TD	AMP30, COC30, MET30, MOR/OPI10, THC5	25	144050N-25
Multi 5TAC	AMP30, COC30, MDMA50, MET30, MOR/OPI10	25	144254N-25



Medical tests

Evaluate patient samples at the point of care & save results on the spot

The RSS flash is a helping hand in every area of medicine. From establishing a pregnancy or detecting infectious diseases to identifying markers of a heart attack, the RSS flash delivers precise results. It evaluates rapid tests clearly and in just a matter of seconds, and can be used on site in any practice or clinic. Unlimited results and patient data can simultaneously be saved and later transferred to a PC.

The mobile evaluation device also facilitates the effective monitoring of treatment, limiting the need to send samples to a laboratory and face lengthy waits for results. Furthermore, patients need not be called back in for follow-up appointments and precise treatment can commence quickly, reducing the administrative workload and saving both time and money.

NADAL® Medical rapid tests

Always the right test

Fast and reliable

- ✓ Large product portfolio to cover all your practice's needs
- ✓ Reliable results in a flash
- ✓ Simple and intuitive test procedure requiring just a few steps
- ✓ Minimal sample volume required
- ✓ Tests can be stored at room temperature
- ✓ Aids decisions regarding treatment



Simple test procedure and result interpretation in just 3 steps

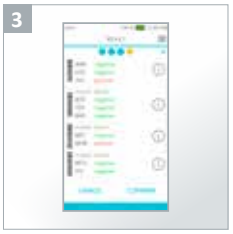




Carry out the test and place it into the device.



Select the test manually or scan the barcode.
Press 'Start'.





Test results will be displayed
and can be printed out.

Product highlights

Product	Sample material	Pack size	Product code
NADAL® hCG Pregnancy Test (Sensitivity: 25 mIU/mL)	Urine	30	142002
NADAL® Troponin I Test (Sensitivity: 0.5 ng/mL)	Whole blood, serum, plasma	10	282041N-10

Technical data

Features	
Reader dimensions (770071, mobile reader with multi-cassette adapter)	91.2 x 102.3 x 165.5 mm
Weight (770071)	237 g (mobile reader) + 73 g (multi-cassette adapter)
Display	4.6” (12.7 cm) HD (720p), TRILUMINOS-Display, Touchscreen
Battery life	8-10 hours (under continuous use)
Power	2700 mAh
Powder adapter input	AC 100-240V / 200 mA / 50-60Hz
Power adapter output	5V / 1500 mA (7.5 W)
USB cable length	1 m
Relative humidity	20-80 %, non-condensing
Operating temperature	-5 to + 45 °C

Product information

Product	Description	Product code
RSS flash mobile Reader Cup	Mobile reader, USB cable, power adapter, Cup II adapter, brief instructions, RSS flash connect software	770070
RSS flash mobile Reader	Mobile reader, USB cable, power adapter, multi-cassette adapter, brief instructions, RSS flash connect software	770071
RSS flash transport case	Transport case for reader and accessories	770073
Upgrade kit	RSS flash multi-cassette adapter	770078
Upgrade kit	RSS flash Cup II adapter	770079
Upgrade kit	Multi-cup adapter for Cup II, double-sided Cup II and saliva cup	770090
Bluetooth printer	RSS flash thermal printer 5.6 cm	770074
Bluetooth printer	RSS flash thermal printer 8 cm	770077



Additional product:
nal von minden Rapid Slide Scanner (RSS) III

The nal von minden Rapid Slide Scanner (RSS) III is the optimal tool for the simple, fast and objective interpretation of nal von minden rapid tests. This universal device can evaluate both drug and medical assays in a variety of formats. The overview software enables a clear analysis as well as the full documentation of lateral flow tests. The software recognises the format and position of the tests and guarantees a precise evaluation of results, meaning the test can be accurately interpreted no matter what its position. Cassette tests with barcodes are automatically recognised and evaluated.

Your benefits at a glance:

- ✓ Easy to use
- ✓ Free test positioning
- ✓ Simple and objective evaluation in just a few seconds
- ✓ Automatic barcode recognition
- ✓ Software in multiple languages
- ✓ Evaluation of up to 16 parameters simultaneously
- ✓ Customised result reports
- ✓ Personalised customer support
- ✓ Barcode scanner (handheld; optional) for capture of patient data
- ✓ Connection to LIS (optional)
- ✓ Data export via Microsoft-Excel™ or CSV (optional)
- ✓ Data import via CSV (optional)
- ✓ Remote maintenance and updates with internet connection





Product	Description	Product code
Rapid Slide Scanner (RSS) III	Analysis device with drawer, power adapter, USB cable, calibration card, user manual, RSS smart software	770066
Rapid Slide Scanner (RSS) III Cup	Analyser with drawer for cup test, base for cup, power adapter, USB cable, calibration card, user manual, RSS smart software	770061
Upgrade kit	Drawer for cup, base for cup	770063
Import export license	License key for activation of import/export functions; enables export in csv format	770010
Voucher for 5000 test strip analyses	Activation key for the analysis of 5000 test strips	770100
Barcode scanner	Barcode hand scanner incl. holder; Connection via USB cable	770015






Germany

Moers (Headquarters)

Carl-Zeiss-Strasse 12, 47445 Moers
Tel.: .....+49 2841 99 820-0
Fax: .....+49 2841 99 820-1

Regensburg (Headquarters)

Friedenstrasse 32, 93053 Regensburg
Tel.: .....+49 941 290 10-0
Fax: .....+49 941 290 10-50

Göttingen

Robert-Bosch-Breite 23, 37079 Göttingen
Tel.: .....+49 551 270706-0
Fax: .....+49 551 270706-50

Belgique / België

Français:
Numéro gratuit:.....0800 718 82
Fax gratuit: 0800 747 07
dept.ventes@nal-vonminden.com
www.nal-vonminden.fr

Nederlands:
Gratis Tel: 0800 780 85
Fax: .....+31 70 3030 775
verkoop.dept@nal-vonminden.nl
www.nal-vonminden.nl

Česká republika

Bezplatný tel.: 800 143 685
Bezplatný fax: 800 143 686
czech@nal-vonminden.com
www.nal-vonminden.cz

Danmark

Gratis nummer: 80888753
Fax: .....+31 7030 30775
distribution@nal-vonminden.dk
www.nal-vonminden.dk

Deutschland

Gratis-Tel.: 0800 589 2022
Gratis-Fax: 0800 589 2023
vertrieb@nal-vonminden.de
www.nal-vonminden.de

España

Tel. gratuito: 900 938 315
Tel. directo: .....+49 941 290 10-759
ventas@nal-vonminden.es
www.nal-vonminden.es

France

Numéro vert:.....0800 915 240
Fax gratuit: 0800 909 493
N° international: ..+49 941 290 10-739
Fax international: ...+49 941 290 10-50
dept.ventes@nal-vonminden.fr
www.nal-vonminden.fr

Ireland

Freephone: 1800 555 008
Freefax: 1800 555 080
sales-dept@nal-vonminden.com
www.nal-vonminden.com

Italia

Numero verde: 800 789 129
Fax gratuito: 800 789 130
vendite.dipt@nal-vonminden.com
www.nal-vonminden.it

Latinoamérica

Tel. directo:.....+49 941 290 10-761
ventas.latam@nvm-diagnostics.com
www.nal-vonminden.es

Luxembourg

Numéro gratuit:.....800 211 16
Fax gratuit: 800 261 79
dept.ventes@nal-vonminden.com
www.nal-vonminden.fr

Nederland

Gratis Tel: 0800 022 2890
Gratis Fax: 0800 024 95 19
verkoop.dept@nal-vonminden.nl
www.nal-vonminden.nl

Norge

Free phone: 800 16 731
norway@nal-vonminden.com
www.nal-vonminden.com/no

Österreich

Gratis Tel: 0800 291 565
Gratis Fax: 0800 298 197
vertrieb.abt@nal-vonminden.de
www.nal-vonminden.de

Polska

Bezpłatny tel.: 00800 4911595
Bezpłatny fax: 00800 4911594
sprzedaz.dept@nal-vonminden.pl
www.nal-vonminden.pl

Portugal

Tel. gratuito: 800 849 230
Tel. direto: .....+49 941 290 10-735
vendas@nal-vonminden.pt
www.nal-vonminden.pt

Schweiz / Suisse / Svizzera

Deutsch:
Gratis-Tel.: 0800 832 164
Gratis-Fax: 0800 837 476
info@nal-vonminden.de
www.nal-vonminden.de

Français:
Numéro gratuit:.....0800 564 720
Fax gratuit: 0800 837 476
dept.ventes@nal-vonminden.com
www.nal-vonminden.fr

Italiano:
Numero verde: 0800 832 2146
Fax gratuito: 0800 837 476
vendite.dipt@nal-vonminden.com
www.nal-vonminden.it

Suomi

Ilmainen Puh: 0800 918263
Ilmainen Fax: 0800 918262
myynti@nal-vonminden.com
www.nal-vonminden.com/fi

Sverige

Gratis Tel.: 020 790906
sweden@nal-vonminden.com
www.nal-vonminden.se

United Kingdom

Freephone:.....0808 234 1237
Direct dial: ..... +44 1580 23 22 88
sales-dept@nal-vonminden.co.uk
www.nal-vonminden.com

Rev01.02/XX0711en00009
Rev01.02/0711en00010

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

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