

new art laboratories



Rapid tests for the detection of drug and alcohol consumption

For on-site use by police, penal institutions and customs officers

Rapid tests

Laboratory diagnostics

Laboratory services

Consultation & service



nal von minden

Your partner for professional diagnostics

We help you care!

For over 35 years, nal von minden GmbH has been a leader when it comes to medical diagnostics and drug analytics, setting standards in the field by delivering certified products of outstanding quality, an extensive portfolio and excellent customer service and ideas. It is our aim to remain the most innovative company in this field, and your point of call on the subject of *in-vitro* diagnostics. In order to ensure this, we place great emphasis on research, development and steady growth.

We currently have five different office locations throughout Europe, as well as several subsidiaries and an extensive network of account managers and field consultants. This enables us to provide you with personal service and individual solutions — wherever you are in the world.



nal von minden management team (from left)
Sandra von Minden, Roland Meißner and Thomas Zander

Quality as a matter of principle

We operate with a sense of responsibility not only because it is our duty, but because it is within our principles. As a manufacturer of rapid tests for medical and drug analytics, we are keenly aware of the impact our products can have.

For this reason, their quality and our service are not only of utmost priority to us, but are also matters close to our heart. Since 2003, our quality management system has been certified according to both EN ISO 13485 and ISO 9001, and is audited yearly by TÜV Rheinland. Internal audits, a comprehensive process landscape and corrective and preventative action systems also serve to ensure that our high standards are maintained.

We help you care! - with outstanding product quality, an excellent price-performance ratio, personal consultants and fast service. We look forward to working with you!

Your nal von minden team.

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Detection of drugs and alcohol

One more piece of evidence...

...can make all the difference, as well as point you in the right direction. Is an individual's fitness to drive under suspicion? Is a blood test needed to confirm? Which substances have been consumed and in what amounts? Can the discovery of invisible traces at a crime scene point to a drug stash? Whatever the situation, our rapid tests are an important and useful tool.

Your benefits include:

- ✓ Simple test procedure
- ✓ Fast, reliable results
- ✓ Flexible cut-off variations for differing needs
- ✓ Flexible multi-test combinations check for several parameters simultaneously
- ✓ Practical accessories



The nal von minden test range comprises tests for numerous sample materials including urine, saliva, blood (whole blood, serum, plasma) or, in the case of alcohol, also breath samples. With more than 35 parameters and 7 adulteration parameters, the nal von minden Drug-Screen® rapid tests are perfect for your needs. They are available in dip, cassette or cup format. In addition, we also offer substance tests for the identification of unknown powders, tablets or liquids.





Traffic control

The classic urine tests: Faster and more reliable than ever

A fast test procedure and reliable results are an absolute must here. Urine samples are the most effective means of testing those who may be driving under the influence of drugs and alcohol. The presence of narcotics in urine samples can be reliably identified within just 5-8 minutes. The tests demonstrate up to 99 % compliance with standard laboratory methods.

Depending on your needs, our urine rapid tests are available in three formats: As a rapid test that doubles as a sampling container, cup tests are an all-in-one solution, whereas our dip tests

are immersed directly into the sample, a procedure which requires minimal effort and can be carried out anywhere. With our cassette tests, a pipette is provided for transferring the sample to the test, making the procedure extremely hygienic. To save you time, both formats are also available as multi-tests, which allow for the detection of multiple parameters (and adulteration parameters) simultaneously. For a minimum quantity order, we can also customise parameter combinations in accordance with your needs, allowing you to choose from more than 35 different parameters, as well as 7 adulteration indicators.

The most extensive parameter range worldwide

nal von minden offers more parameters to choose from than anywhere else. When it comes to urine testing, we currently offer 37 parameters, 7 adulteration parameters and a wide variety of test formats. Our products are aimed at aiding you in the fight against drugs and alcohol at the wheel, as well as the significant dangers they can pose to road traffic and safety.

Find out more about our adulteration parameters on page 12.

Available parameters:

7-Aminoclonazepam NEW!	ACL	Morphine / Opiates	MOR/OPI
Alcohol	ALC	Methylphenidate	MPD
Amphetamine	AMP	Methaqualone	MLQ
Barbiturates	BAR	Methadone	MTD
Buprenorphine	BUP	Oxycodone	OXY
Benzodiazepines	BZD	Paracetamol	PCM
Cocaine	COC	Phencyclidine	PCP
Cotinine	COT	Pregabalin	PGB
EDDP	EDDP	Propoxyphene	PPX
Ethyl glucuronide	EtG	Spice / K2	SPC
Fentanyl	FYL	Tricyclic antidepressants	TCA
<i>gamma</i> -Hydroxybutyric acid NEW!	GHB	Cannabinoids	THC
6-Monoacetylmorphine NEW!	HRN/6-MAM	Tilidine	TIL
Ketamine	KET	Tramadol	TML
Lysergic acid diethylamide	LSD	Trazodone	TZD
Methylenedioxyamphetamine	MDA	Zaleplon	ZAL
Ecstasy	MDMA	Zolpidem	ZOL
Methylenedioxypyrovalerone	MDPV	Zopiclone NEW!	ZOP
Methamphetamine	MET		

Our most popular urine rapid tests

Many of our tests have been designed to reflect the needs of our customers working within police and customs authorities. Using just one test, it is possible for officers to detect the most common parameters in their field, such as THC, MOR/OPI, COC, AMP, MET, MDMA and BZD. Additional tests for the detection of various metabolites further widen the options available in the identification of illicit drug use. Below are some particular customer favourites:



Product code*	Product	Parameter
104059	Multi 5TK	AMP500, COC300, MET500, OPI2000, THC150
104263	Multi 6TZ	AMP500, BZD300, COC300, MET500, MOR/OPI2000, THC150
104175	Multi 7TR	AMP500, BZD300, COC300, EDDP100, MET500, MOR/OPI300, THC150

*25 tests per pack

Saliva tests: Simple, non-invasive sampling

Minimally invasive, manipulation-proof and highly sensitive: Saliva samples are collected under supervision whilst still maintaining the individual's dignity, and it is for such reasons that they are especially popular. The detection window for

substances in saliva is shorter than it is for urine samples. Positive results indicate current intoxication. Our saliva tests offer more than 15 different parameters and are available as both single and multi-tests.

Product code*	Parameter	Abbreviation	Cut-off
190001	Amphetamine	AMP50	50 ng/mL
190004	Buprenorphine	BUP5	5 ng/mL
190033	Benzodiazepines	BZD5	5 ng/mL
190003		BZD10	10 ng/mL
190005	Cocaine	COC20	20 ng/mL
190019	Cotinine	COT50	50 ng/mL
190021	EDDP	EDDP20	20 ng/mL
190029	Fentanyl NEW!	FYL10	10 ng/mL
190015	Methylenedioxyamphetamine NEW!	MDA50	50 ng/mL
190008	Ecstasy	MDMA50	50 ng/mL
190007	Methamphetamine	MET50	50 ng/mL
190009	Morphine/Opiates	MOR/OPI40	40 ng/mL
190076	Methylenedioxypropylvalerone NEW!	MDPV	50 ng/mL
190006	Methadone	MTD30	30 ng/mL
190032	Oxycodone	OXY20	20 ng/mL
190011	Phencyclidine	PCP10	10 ng/mL
190013	Tricyclic antidepressants	TCA100	100 ng/mL
190012	Cannabinoids	THC12	12 ng/mL
190070	Zolpidem	ZOL25	25 ng/mL

*15 tests per pack



Our most popular saliva rapid tests

In line with the wishes and suggestions of our customers, we are always growing and developing both ourselves and our product range! The nal von minden Drug-Screen® Saliva Classic Test has also been refined and now offers new functions in addition to 4 new parameters (see table on pre-

vious page). A screw-on cap has been added to make it easier to send the test for confirmatory analysis. Furthermore, a new pipette provides larger sample drops, and – thanks to its improved look and taste – the new, softer sponge is more subject-friendly than ever!

Product code*	Product	Parameter
191052	Multi 5CC	AMP500, COC20, MET50, MOR/OPI40, THC12
191070	Multi 7CA	AMP50, BZD10, COC20, MET50, MOR/OPI40, MTD 30, THC12

*15 tests per pack

Saliva cup: Proven test principle, new format

Our new saliva cup test makes it possible to collect samples using a sponge which can then be securely sealed within the test cup. Almost 20 different parameters can be tested for, and carrying out the tests couldn't be easier! An integrated volume

indicator lets you know when enough saliva has been collected by the sampling sponge. A clamp-function in the screw cap guarantees that the sample is then fully extracted from the sponge. Pipetting is no longer required!

Product code*	Product	Parameter
117050	Multi 5BA Saliva Cup	AMP50, COC20, MET50, MET/OPI40, THC12

*5 tests per pack. Alternative and customised test combinations also available.



RSS flash

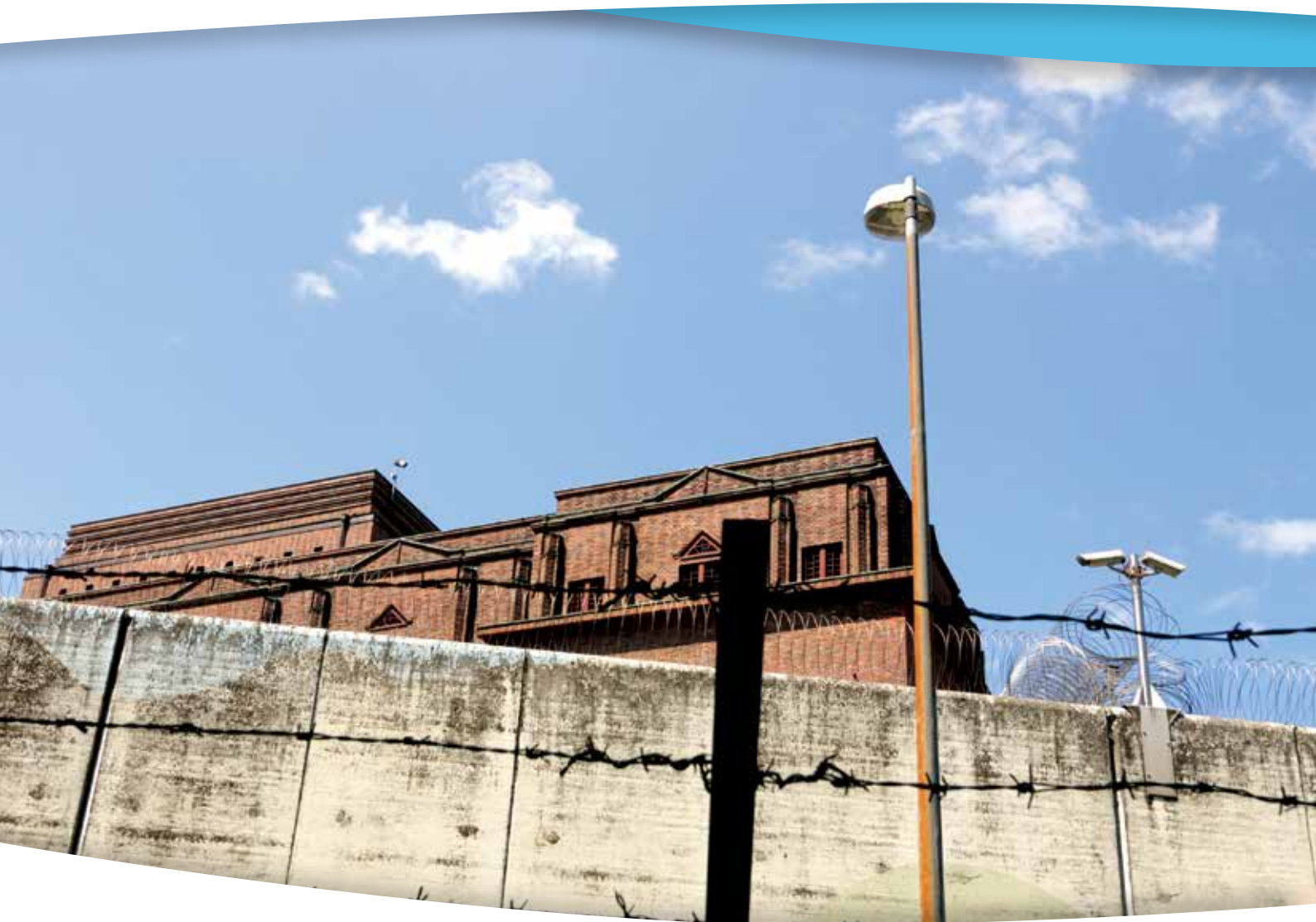
Testing, evaluation, storage

Do you know about our new mobile evaluation device which provides objective and precise results in a flash? This robust-yet-lightweight device is portable and can be easily used within traffic control situations. It delivers clear results which are easy to interpret regardless of lighting.

The RSS flash can interpret the results of dip, cassette and cup tests. Thanks to instantaneous data capture using our innovative and intuitive software, the display and documentation of results is taken to a whole new level.

Product code	Product	Product description
770071	RSS flash	Mobile evaluation device, USB cable, power cable, multi-functional device, user manual, software download link
770070	RSS flash Cup	Mobile evaluation device, USB cable, power cable, cup adapter, user manual, software download link
770073	RSS flash Carry case	Practical carry case for reader and accessories
770078	Upgrade kit	Multi-cassette adapter
770079	Upgrade kit	Cup adapter
770090	Upgrade kit	Saliva Cup adapter
770074	Bluetooth printer	RSS flash thermal printer 5.6 cm
770077	Bluetooth printer	RSS flash thermal printer 8 cm





Justice system

Practical cup test:

Outstanding flexibility and hygiene

The nal von minden Drug-Screen® urine cup tests with integrated test strips are the most versatile option when it comes to drug screening. The risk of coming into contact with the sample is greatly reduced, making sampling with the help of the cup very hygienic. The cups also double as a practical transport container for samples being sent for confirmation analysis.

With our innovative key cup (Cup II and Cup V) tests, samples are held in a separate chamber to the test

strips, so that analysis can be started at a time and place to suit you. You couldn't ask for more flexibility!

Thanks to new variations of the Cup II test, which is equipped with two test cassettes, up to 20 parameters can be tested for simultaneously. For the early detection of manipulation attempts, each cup test is fitted with an integrated temperature strip.

Our favourite cup rapid test

The Cup II test fully meets the requirements of police, customs and prison officers alike. It comes with the following advantages:

- ✓ Separated sample and test chambers
- ✓ Key used to begin test run whenever and wherever you're ready
- ✓ Suitable for use with the RSS II, III and flash scanners (connection to LIMS is possible)
- ✓ Available as two-sided version, allowing for nearly every parameter combination (for evaluation using the RSS III only)



Are you also interested in our substance tests? You can find these on page 14.

Our most popular cup tests

We would be glad to help you find the best cup test and parameter combination for your needs. For a touch of inspiration, here are our bestsellers.

Product code*	Product	Parameter
9120160	Cup II 16A	AMP1000, BUP10, BZD300, COC300, EDDP100, FYL10, HRN/6-MAM10, MET1000, MDMA500, MOR/OPI300, MPD150, PGB500, TCA1000, THC50, TIL300, TML100
910094	Cup II 9E	AMP300, BUP10, BZD100, COC100, EDDP100, MET300, MOR/OPI100, THC50; creatinine
910097	Cup II 9H	AMP1000, BUP10, BZD300, COC300, MOR/OPI300, MTD300, SPC50, TCA1000, THC50
910095	Cup II 9F-AC-A	AMP1000, BUP10, BZD300, COC300, EDDP100, MET300, MOR/OPI300, SPC50, THC50; pH level, creatinine
910122	Cup II 12C	AMP1000, BUP10, BZD300, COC300, FYL10, MDMA500, MET1000, MOR/OPI300, MTD300, TCA1000, THC50, TML100
910078	Cup II 7I-AC-A	AMP1000, BUP10, BZD300, EDDP100, MOR/OPI300, SPC50, THC50; pH level, creatinine

*25 tests per pack



Still haven't found the perfect parameter combination for your needs? We have many more available and can also manufacture customised tests upon request. Get in touch today: 0808 234 1237 (UK freephone), 1800 555 008 (Ireland freephone) or sales-dept@nal-vonminden.com

Adulteration tests: Results you can trust

Not many people are smarter than a drug test, yet there are many who will try to manipulate them. Adulteration methods range from consuming excess liquid before giving a urine sample in an attempt to dilute it, to the addition of substances intended to mask the presence of medication or metabolites in the sample. Our adulteration tests don't only indicate manipulation, but also which method was used.



With the help of the following parameters, you are guaranteed reliable results.

Product	Parameter
pH level	For the detection of added acids or bases
Nitrite	Nitrate is converted to nitrite from gram-negative bacteria, which can affect test results
Specific gravity	For the detection of sample dilution
Creatinine	For the detection of both <i>in-vitro</i> and <i>in-vivo</i> dilution
Glutaraldehyde	Glutaraldehyde is found in some disinfectants and can have an influence on test results
Bleaching agent	Bleaching agents can have an effect on the test or control line
Pyridinium chlorochromate	This chemical can influence drug tests in a similar way to bleaching agents

nal von minden adulteration parameters

Test strips for the detection of urine sample manipulation

Product code	Product	Parameter	Pack size
630925	UrinCheck 7 DoA Adulteration test	7 parameters: Creatinine, pH level, glutaraldehyde, specific gravity, nitrite, bleaching agent and pyridinium chlorochromate	25 strips
124004	Temperature strips	32 °C-37 °C	100 strips



Interested in further adulteration parameters?

Let us know: 0808 234 1237 (UK freephone), 1800 555 008 (Ireland freephone) or sales-dept@nal-vonminden.com



Forensics

Drug detection in solids and residues

Police officers often come across suspicious substances, the composition of which is unknown. Our substance tests can detect powders, tablets and fluids using a chemical test principle. These practical tests need just seconds to deliver fast, simple and reliable results in just one step.

They enable the precise and easy identification of substances such as amphetamine, NPS, opiates and cocaine, as well as a variety of base materials.

ESA substance tests: For the examination of confiscated solids

Our subsidiary, ESA Test GmbH, has been renowned for decades for its easy-to-use ampoule tests, which enable the detection and identification of drugs

and medications. Simply open the ampoule, add the substance in question and wait for the colour change.

Product code	Product
Ampoule test (10 ampoules per pack)	
311190	ESA Benzodiazepine substance tests Coming soon!
311220	ESA Buprenorphine substance tests
311130	ESA Cannabis substance tests
311110	ESA Cocaine substance tests
311140	ESA Ecstasy/Methamphetamine substance tests
311240	ESA Ephedrine substance tests
311250	ESA GHB/GBL substance tests
311331	ESA General Screening substance tests
311150	ESA GHB substance tests
311170	ESA Heroin substance tests
311180	ESA Ketamine/Methadone substance tests
311120	ESA LSD substance tests
311210	ESA Morphine/Heroin substance tests

Product code	Product
Ampoule test (10 ampoules per pack)	
311490	ESA Multi-Test (COC, LSD, KET, OPI/AMP, General Screening)
311100	ESA Opiate/Amphetamine substance tests
311470	ESA Synthetic Cathinone substance tests
311131	ESA THC/CBD substance tests* NEW! *9 ampoules per pack + reagents.

Substance wipe tests	
311270 N-10	ESA Cocaine Sweep wipe test
311270 N-2	ESA Cocaine Sweep wipe test

Accessories	
311402	Ampoule opener
999163	Disposal container (small)
999164	Disposal container (large)

Using our practical ampoule opener, our substance tests can be easily and safely opened.



Tracedetect substance tests

For the detection of residues on surfaces

White powder found on the dashboard of a car wreck, a banker's credit card or the bathroom cabinet of a violent criminal: the detection of substances on various surfaces can provide significant support to police investigations.

The nal von minden Drug-Screen® Tracedetect substance tests are so sensitive that they are even able to pick up residues that are invisible to the human eye.

Product code*	Product
144352N-10	Tracedetect Multi 5TAK substance test Detectable parameters: AMP, COC, MET, MOR/OPI, THC
144254N-10	Tracedetect Multi 5TAC substance test Detectable Parameter: AMP, COC, MDMA, MET, MOR/OPI
144243N-10	Tracedetect Multi 4TD substance test Detectable parameters: ABP, SPC, THC, UR-144
144027N-10	Tracedetect Multi 2TI substance test Detectable parameters: FYL, MOR/OPI
144097N-10	Tracedetect Khat substance test Detectable parameters: CAT
144273N-10	Tracedetect Multi 7TZ substance test Detectable parameters: AMP, COC, BZD, MDMA, MET, MOR/OPI, THC

Many parameters also available as single tests!

Are you also interested in our drug rapid tests? These can be found on page 6.



*10 tests per pack, 25 test packs also available.



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