

# Toxicology

Immunological point-of-care tests, reader-systems and laboratory analyses for drug and alcohol detection

Rapid Tests

Laboratory Diagnostics

Laboratory Service

Consulting & Service



# nal von minden

## Your partner in professional diagnostics

### We help you care!

For more than 35 years, our company has been characterised by innovative products and an outstanding service. Through intensive exchange with our customers, we have optimised our portfolio for you and adapted it to current developments in the healthcare and drug market. We strive to stay the most innovative company in the industry and remain your first contact for all questions concerning drug screen rapid tests. We don't just want to satisfy you, we want to inspire you.

We have a presence throughout Germany, with more than 5 locations, as well as all over Europe, with several subsidiaries and an extensive network of customer service advisers and field representatives.

### Quality Assurance

We understand our responsibility as a manufacturer of *in-vitro* diagnostics. For this reason, the quality of our products and customer service is of utmost importance. Our quality management system has been EN ISO 13485 and ISO 9001 certified since 2003, and is reviewed by TÜV Rheinland on a yearly basis. Internal audits, an extensive process map and a corrective-and-preventative system help us to maintain the highest standards.

Our products, in line with European IVD-directives, are CE certified and have proven their capabilities on the market over many years. We take part in proficiency tests regularly and with great success.



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

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# nal von minden product portfolio

## Your specialist for *in-vitro* diagnostics

We consistently use our capabilities, our knowledge and our 35-year-experience to widen and refine our portfolio and processes. Our contact with you, the customer, and your suggestions are critical in achieving this. In co-operation with you, we can find innovative solutions to meet your requirements. As your longstanding partner, we want to be the best – not just to satisfy your needs, but to inspire you too.

Our current portfolio includes rapid tests in the areas of paediatrics, gynaecology, urology, infectious diseases, bacteriology, oncology and drugs. For the latter we also offer specific ELISA and HEIA tests. Furthermore we can provide toxicology laboratory diagnostics through our partner laboratories as well as POCT devices that bring the laboratory to your practice.

**Our catalogues, brochures and flyers are available in thirteen languages:** German, English, French, Spanish, Italian, Polish, Dutch, Czech, Finnish, Portuguese, Swedish, Danish and Russian. **Further information on our wide product range can be found at [www.nal-vonminden.com](http://www.nal-vonminden.com), or you can contact us directly at [sales-dept@nal-vonminden.com](mailto:sales-dept@nal-vonminden.com).**

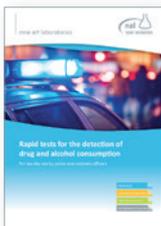


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## Inside Diagnostics – Your customer magazine

We bring you fascinating articles on current topics, detailed background information and news from the world of diagnostics, as well as brief updates from the company.



# Rapid drug tests

## Point-of-care tests for every need

Whether for use in prosecution or rehabilitation, rapid drug tests represent an invaluable aid for medical, social and penal authorities in the modern age. As the drug market continues to evolve and become more innovative, so too must the tools with which we can lend our support to all those affected by it. nal von minden offers a wide range of tests for the detection of drugs or their consumption in urine, saliva, blood (serum, plasma) or

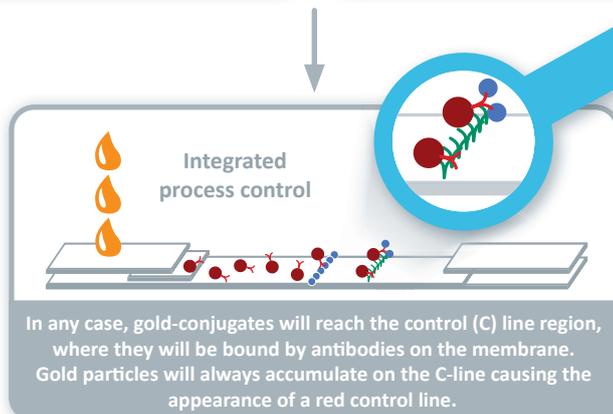
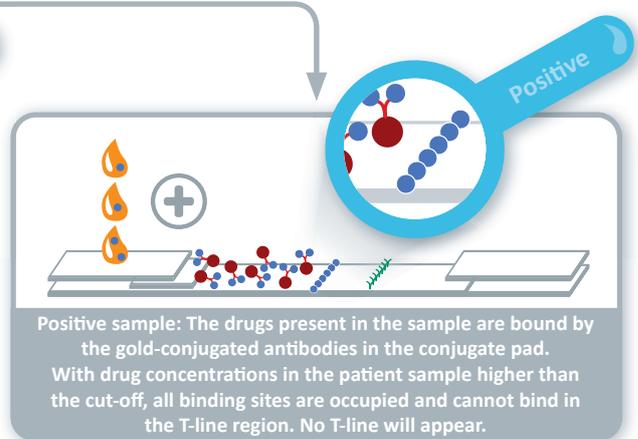
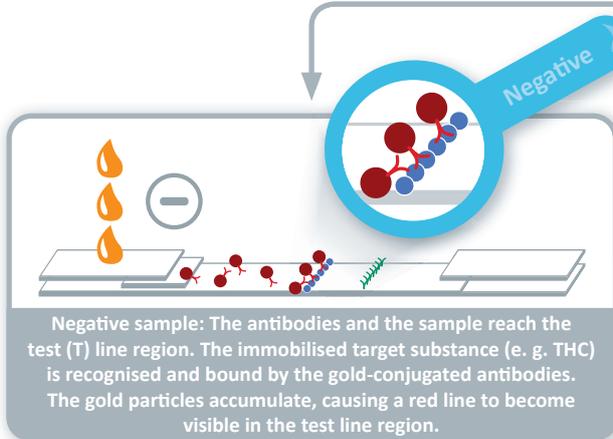
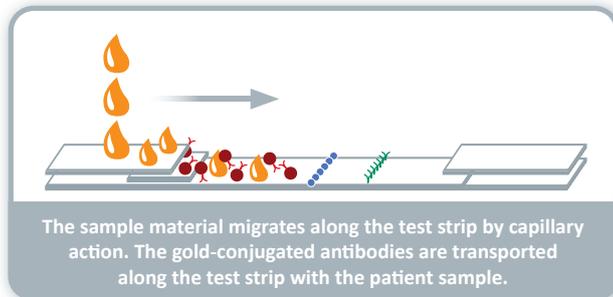
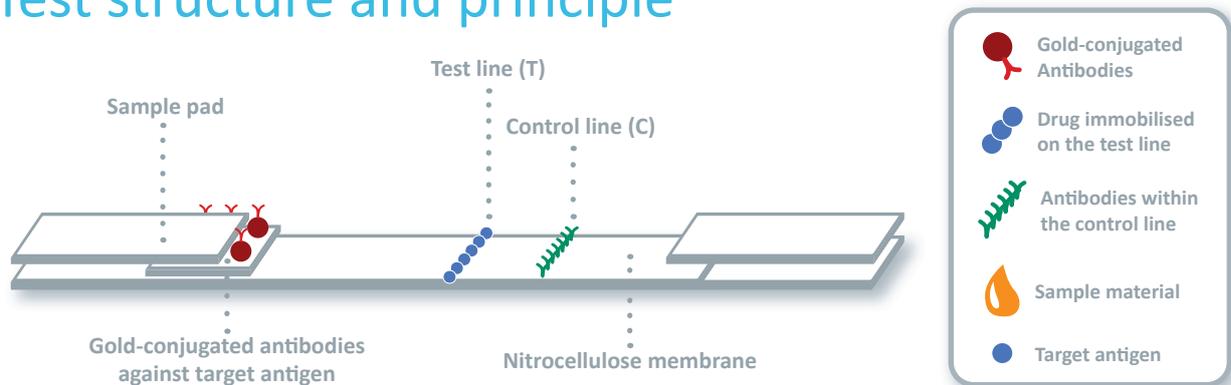
– in the case of alcohol – in breath. More than 35 different parameters, as well as 7 different adulteration parameters, can be detected using our Drug-Screen urine rapid tests. These products are available in dip, cassette and cup format to suit your requirements. We also offer substance tests for the detection of unknown powders, tablets and liquids. Please find further details regarding our products in this catalogue.

### Available parameters:

7-Aminoclonazepam <b>NEW!</b>	ACL	Methamphetamine	MET
Alcohol	ALC	Morphine / Opiates	MOR/OPI
Amphetamine	AMP	Methylphenidate	MPD
Barbiturates	BAR	Methaqualone	MQL
Buprenorphine	BUP	Methadone	MTD
Benzodiazepines	BZD	Oxycodone	OXY
Cathine <b>Coming soon!</b>	CAT	Paracetamol	PCM
Cocaine	COC	Phencyclidine	PCP
Cotinine	COT	Pregabalin	PGB
EDDP	EDDP	Propoxyphene	PPX
Ethylglucuronide	EtG	Spice / K2	SPC
Fentanyl	FYL	Tricyclic antidepressants	TCA
Gamma-Hydroxybutyric acid <b>NEW!</b>	GHB	Cannabinoids	THC
6-Monoacetylmorphine <b>NEW!</b>	HRN/6-MAM	Tilidine	TIL
Ketamine	KET	Tramadol	TML
Lysergic acid diethylamide	LSD	Trazodone	TZD
Methylenedioxyamphetamine	MDA	UR-144 / K4 <b>Coming soon!</b>	UR-144
Ecstasy	MDMA	Zaleplon	ZAL
Methylenedioxypyrovalerone	MDPV	Zolpidem	ZOL
		Zopiclone <b>NEW!</b>	ZOP

# nal von minden Drug-Screen® Rapid Tests

## Test structure and principle

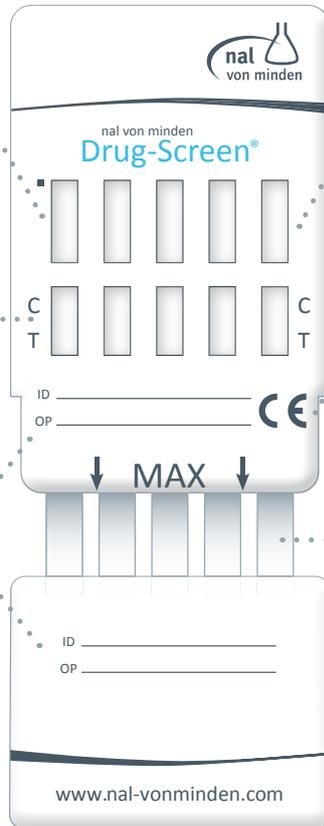


# Design layout and interpretation

Clearly legible result field for every parameter

Integrated control to monitor test performance

Field for patient details



Variable integrated parameters - choose from >35 different parameters and cut-offs

Conformity to official standards

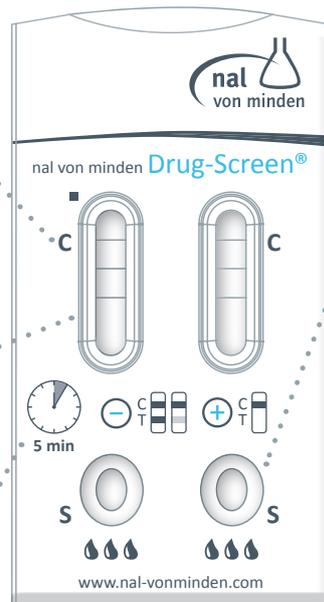
Absorbent pad for sample collection

Hygiene cap to seal the test after sampling

Integrated control line to monitor test performance

Clearly legible results field for each parameter

Visual interpretation aid



Hygienic test procedure using urine droplets

Optimised parameter combination for every kind of application

Individually packed and stable for two years from production



## Urine rapid tests

More accurate, more effective and more tamper-proof than ever! The nal von minden Drug-Screen® urine rapid tests are a cost-effective aid in the detection of drugs, medication and their metabolites in urine samples. Tests determine the presence of illegal and adulteration substances, offering quick and reliable results within 5 to 8 minutes. Our tests boast up to 99 percent agreement with the gold standard GC-MS method. To meet your needs, we offer our urine rapid tests in three formats: dip, cassette and cup tests.

### Advantages

- ✓ Simple and hygienic test procedure
- ✓ Fast and reliable results
- ✓ Flexible cut-off options for varying needs
- ✓ Variety of multi-test combinations for the simultaneous detection of multiple parameters

### For use in

- ✓ Detox and rehabilitation
- ✓ Emergencies
- ✓ Forensics
- ✓ Workplace testing
- ✓ Transport authorities and custom controls

## Urine single tests

Parameter	Abbreviation	Cut-off	Product code (50 individually packed test strips)	Product code (25 strips per tube)	Product code (30 individually packed cassettes)
<b>7-Aminoclonazepam</b>	ACL200	200 ng/ml	101084	—	102084
<b>Alcohol</b>	ALCO,2	0.2 ‰	101036	—	—
<b>Amphetamine</b>	AMP300	300 ng/ml	101016	620006	102016
	AMP500	500 ng/ml	101022	620013	102022
	AMP1000	1000 ng/ml	101001	620015	102001
<b>Barbiturates</b>	BAR200	200 ng/ml	101035	—	—
	BAR300	300 ng/ml	101002	620085	102002
<b>Benzodiazepines</b>	BZD100	100 ng/ml	101031	105031	102031
	BZD200	200 ng/ml	101025	620063	102025
	BZD300	300 ng/ml	101003	620065	102003
<b>Buprenorphine</b>	BUP5	5 ng/ml	101061	105061	102061
	BUP10	10 ng/ml	101004	620150	102004
<b>Cocaine</b>	COC100	100 ng/ml	101026	620043	102026
	COC300	300 ng/ml	101005	620045	102005
<b>Cotinine</b>	COT200	200 ng/ml	101019	—	102019
<b>EDDP</b>	EDDP100	100 ng/ml	101021	620160	102021
<b>Ethylglucuronide</b>	EtG500	500 ng/ml	101062	—	102062
<b>Fentanyl</b>	FYL10	10 ng/ml	101029	620190	102029
<b>Gamma-Hydroxybutyric acid</b>	GHB10	10 µg/ml	101089	—	102089
<b>6-Monoacetylmorphine</b>	HRN/6-MAM10	10 ng/ml	101057N-50	—	102057N-30
<b>Ketamine</b>	KET1000	1000 ng/ml	101024	620195	102024
<b>Lysergic acid diethylamide</b>	LSD10	10 ng/ml	101079	105079	102079
<b>Methylenedioxyampheta- mine</b>	MDA500	500 ng/ml	101015	620103	102015
<b>Ecstasy</b>	MDMA500	500 ng/ml	101008	620105	102008
<b>Methylenedioxy- rovalerone</b>	MDPV500	500 ng/ml	101076	105076	102076
<b>Methamphetamine</b>	MET300	300 ng/ml	101018	620007	102018
	MET500	500 ng/ml	101020	—	102020
	MET1000	1000 ng/ml	101007	620025	102007
<b>Morphine/Opiates</b>	MOR/OPI100	100 ng/ml	101027	620033	102027
	MOR/OPI300	300 ng/ml	101009	620035	102009
	MOR/OPI2000	2000 ng/ml	101010	620037	102010
<b>Methylphenidate</b>	MPD150	150 ng/ml	101078	105078	102078
<b>Methaqualone</b>	MQL300	300 ng/ml	101030	105030	102030
<b>Methadone</b>	MTD300	300 ng/ml	101006	620075	102006
<b>Oxycodone</b>	OXY100	100 ng/ml	101032	105032	102032
<b>Paracetamol</b>	PCM5000	5000 ng/ml	101034	—	102034
<b>Phencyclidine</b>	PCP25	25 ng/ml	101011	620108	102011
<b>Pregabalin</b>	PGB500	500 ng/ml	101067	—	102067
<b>Propoxyphene</b>	PPX300	300 ng/ml	—	620197	102014
<b>Spice/K2</b>	SPC50	50 ng/ml	101045	105045	102045

Parameter	Abbreviation	Cut-off	Product code (50 individually packed test strips)	Product code (25 strips per tube)	Product code (30 individually packed cassettes)
Tricyclic antidepressants	TCA300	300 ng/ml	101041	—	102041
	TCA500	500 ng/ml	101048	105048	102048
	TCA1000	1000 ng/ml	101013	620095	102013
Cannabinoids	THC25	25 ng/ml	101017	620054	102017
	THC50	50 ng/ml	101012	620055	102012
	THC150	150 ng/ml	101023	620057	102023
	THC300	300 ng/ml	101038	105038	102038
	THC500	500 ng/ml	101039	—	102039
Tilidine	TIL300	300 ng/ml	101071	105071	102071
Tramadol	TML100	100 ng/ml	101028	620170	102028
	TML200	200 ng/ml	101043	—	102043
Trazodone	TZD25	25 ng/ml	101047	105047	102047
Zaleplon	ZAL100	100 ng/ml	101049	—	102049
Zolpidem	ZOL25	25 ng/ml	101070	105070	102070
Zopiclone	ZOP50	50 ng/ml	101066	—	102066



Can't find the parameters or cut-off levels you need?

Let us know: [sales-dept@nal-vonminden.com](mailto:sales-dept@nal-vonminden.com) or from UK: 01580 232 288 or from Ireland freephone: 1800 555 008





## Urine multi-tests

Time is money! To save you both, nal von minden Drug-Screen® dip and cassette tests are also available as multi-tests. These urine tests allow for the detection of multiple drugs and adulteration parameters simultaneously.

In accordance with your needs and requirements, we can customise tests. A list of our most common combinations can be found in the table on the following page.

### Advantages

- ✓ Easy to use and reliable results in minutes
- ✓ Only a small sample (as little as 3 drops) required to perform the tests
- ✓ More than 35 different parameters available
- ✓ For a certain minimum order quantity, tests can be customised to your specific needs

# Urine multi-dip tests



## nal von minden Drug-Screen® Multi-2 Dip Tests

Product code*	Product	Parameters
103020	Multi 2	AMP1000, THC50
103023	Multi 2C	THC25, THC150
103024	Multi 2D	BZD300, THC50
103025	Multi 2E	COC300, MOR/OPI300

## nal von minden Drug-Screen® Multi-3 Dip Tests

Product code*	Product	Parameters
620902	Multi 3	BZD300, COC300, MOR/OPI300
103232	Multi 3AC	THC50, THC150, THC300
103234	Multi 3AE	COC100, MDMA500, THC25
621002	Multi 3C	BUP10, MOR/OPI300, MTD300
103030	Multi 3E	AMP1000, COC300, THC50
103038	Multi 3H	COC300, MOR/OPI300, THC50
103034	Multi 3K	COC300, MOR/OPI300, MTD300
103130	Multi 3L	COC300, EDDP100, MOR/OPI300
103134	Multi 3R	AMP1000, BZD300, COC300
103031	Multi 3X	THC200, THC300, THC500

## nal von minden Drug-Screen® Multi-4 Dip Tests

Product code*	Product	Parameters
103047	Multi 4A	BUP10, COC300, MOR/OPI300, THC50
103342	Multi 4AR	MET1000, MOR/OPI300, MTD300, THC50
622502	Multi 4B	BUP10, BZD300, COC300, MOR/OPI300
103049	Multi 4D	AMP1000, COC300, MDMA500, THC50
622102	Multi 4E	BZD300, COC300, EDDP100, MOR/OPI300
622602	Multi 4EB	BUP10, BZD300, EDDP100, MOR/OPI300
103041	Multi 4G	BZD300, COC300, MOR/OPI300, THC50
630402	Multi 4M	BZD300, COC300, MOR/OPI300, MTD300
103141	Multi 4P	AMP1000, BZD300, MOR/OPI300, THC50
630002	Multi 4V	AMP1000, COC300, MOR/OPI300, THC50

\*25 cassettes per pack. Alternative and custom test combinations available.

### nal von minden Drug-Screen® Multi-5 Dip Tests

Product code*	Product	Parameters
620402	Multi 5	AMP1000, BZD300, COC300, MOR/OPI300, THC50
103052	Multi 5A	AMP1000, COC300, MET1000, MOR/OPI300, THC50
103357	Multi 5AN	AMP300, BZD300, COC300, EDDP100, MOR/OPI300
621202	Multi 5B	AMP1000, BUP10, BZD300, COC300, MOR/OPI300
621702	Multi 5E	AMP1000, BZD300, COC300, EDDP100, MOR/OPI300
622202	Multi 5EB	BUP10, BZD300, COC300, EDDP100, MOR/OPI300
620302	Multi 5M	AMP1000, BZD300, COC300, MOR/OPI300, MTD300
621402	Multi 5MB	BUP10, BZD300, COC300, MOR/OPI300, MTD300
630602	Multi 5S	BZD300, COC300, MOR/OPI300, MTD300, THC50
622302	Multi 5SE	BZD300, COC300, EDDP100, MOR/OPI300, THC50

### nal von minden Drug-Screen® Multi-6 Dip Tests

Product code*	Product	Parameters
620602	Multi 6	AMP1000, BZD300, COC300, MOR/OPI300, MTD300, THC50
640402	Multi 6B	AMP1000, BZD300, COC300, MET1000, MOR/OPI300, THC50
103064	Multi 6D	AMP1000, COC300, MDMA500, MET1000, MOR/OPI300, THC50
622402	Multi 6E	AMP1000, BZD300, COC300, EDDP100, MOR/OPI300, THC50
103068	Multi 6H	BUP10, BZD300, COC300, MOR/OPI300, MTD300, THC50
103162	Multi 6K	AMP1000, BUP10, BZD300, COC300, MOR/OPI300, THC50
103062	Multi 6L	AMP1000, BUP10, BZD300, COC300, MOR/OPI300, MTD300
103164	Multi 6O	AMP1000, BZD300, COC300, MDMA500, MOR/OPI300, THC50
103167	Multi 6R	AMP1000, BZD300, MDMA500, MET1000, MOR/OPI300, THC50
103168	Multi 6V	AMP1000, BUP10, BZD300, COC300, EDDP100, MOR/OPI300

### nal von minden Drug-Screen® Multi-7 Dip Tests

Product code*	Product	Parameters
630802	Multi 7	AMP300, BZD300, COC300, MET300, MOR/OPI300, MTD300, THC50
103070	Multi 7A	AMP1000, BZD300, COC300, MET1000, MOR/OPI300, MTD300, THC50
103272	Multi 7AC	AMP300, BUP10, BZD300, COC300, MOR/OPI300, MTD300, THC50
103279	Multi 7AJ-AC-B	AMP1000, BUP10, BZD300, COC300, EDDP100, MOR/OPI300, THC50; CREA/OXI/PH
103071	Multi 7B	AMP1000, BUP10, BZD300, COC300, MOR/OPI300, MTD300, THC50
103072	Multi 7C	AMP1000, BUP10, BZD300, COC300, MET1000, MOR/OPI300, THC50
621102	Multi 7EB	AMP1000, BUP10, BZD300, COC300, EDDP100, MOR/OPI300, THC50
103173	Multi 7O	AMP500, COC300, MDMA500, MET500, MOR/OPI300, MTD300, THC50
1160070	Multi 7RA	AMP500, COC300, MDMA500, MET500, MOR/OPI300, MTD300, THC50
1160080	Multi 7RO-AC-A	AMP500, COC300, MDMA500, MET500, MOR/OPI300, MTD300, THC50; PH/CREA

### nal von minden Drug-Screen® Multi-8 Dip Tests

Product code*	Product	Parameters
103080	Multi 8A	AMP1000, BAR300, BZD300, COC300, MET1000, MOR/OPI300, MTD300, THC50
103281	Multi 8AC	AMP1000, BUP10, BZD300, COC300, MOR/OPI300, MTD300, OXY100, THC50
103081	Multi 8B	AMP1000, BUP10, BZD300, COC300, MDMA500, MOR/OPI300, MTD300, THC50

103082	Multi 8C	AMP1000, BUP10, BZD300, COC300, MET1000, MOR/OPI300, MTD300, THC50
103086	Multi 8E	AMP300, BUP10, BZD300, COC300, MET300, MOR/OPI300, THC50, TML100
103087	Multi 8H	AMP1000, BUP10, BZD300, COC300, EDDP100, MDMA500, MOR/OPI300, THC50
103184	Multi 8Q	AMP500, COC300, MDMA500, MET500, MOR/OPI300, MTD300, THC50; PH/CREA
103186	Multi 8S	AMP1000, BUP10, BZD300, COC300, KET1000, MOR/OPI300, MTD300, THC50
103187	Multi 8U	AMP300, BUP10, BZD300, MET300, MOR/OPI300, SPC50, THC50, TML100
103188	Multi 8V	ALCO.2, AMP1000, BZD300, COC300, MDMA500, MOR/OPI300, MTD300, THC50

#### nal von minden Drug-Screen® Multi-9 Dip Tests

Product code*	Product	Parameters
103093	Multi 9B	AMP1000, BUP10, BZD300, COC300, MDMA500, MET1000, MOR/OPI300, MTD300, THC50
103092	Multi 9C	AMP1000, BUP10, BZD300, COC300, EDDP100, MET1000, MOR/OPI300, MTD300, THC50
103095	Multi 9D	AMP500, BUP10, COC300, MDMA500, MET500, MOR/OPI300, MTD300, THC50; PH/CREA
103096	Multi 9F	AMP1000, BUP10, BZD300, COC300, MET1000, MOR/OPI300, MTD300, THC50, TML100
103094	Multi 9M	AMP1000, BAR300, BUP10, BZD300, COC300, MET1000, MOR/OPI300, MTD300, THC50
103192	Multi 9O	AMP1000, BUP10, BZD300, COC300, MOR/OPI300, MTD300, SPC50, THC50, TML100
1160090	Multi 9RA	AMP500, BUP10, COC300, MDMA500, MET500, MOR/OPI300, MTD300, THC50; PH/CREA
1160091	Multi 9RB	AMP500, BUP5, COC300, MDMA500, MET500, MOR/OPI300, MTD300, THC50; PH/CREA

#### nal von minden Drug-Screen® Multi-10 Dip Tests

Product code*	Product	Parameters
103100	Multi 10A	AMP1000, BAR300, BZD300, COC300, MET1000, MOR/OPI300, PCP25, MTD300, TCA1000, THC50
103310	Multi 10AH	AMP300, BUP10, BZD300, EDDP100, FYL10, MET300, MOR/OPI300, OXY100, THC25, TML100
103103	Multi 10B	AMP1000, BAR300, BUP10, BZD300, COC300, MET1000, MOR/OPI300, MTD300, TCA1000, THC50
620802	Multi 10E	AMP1000, BAR300, BZD300, COC300, MDMA500, MET1000, MOR/OPI300, MTD300, TCA1000, THC50
103108	Multi 10G	AMP1000, BUP10, BZD300, COC300, EDDP100, MDMA500, MET1000, MOR/OPI300, TCA1000, THC50
103121	Multi 10K	AMP1000, BUP10, BZD300, COC300, FYL10, MET1000, MOR/OPI300, MTD300, THC50, TML100
621802	Multi 10L	AMP300, BAR300, BUP10, BZD300, COC300, MET300, MOR/OPI300, MTD300, TCA1000, THC50
103122	Multi 10P	AMP1000, BUP10, BZD300, COC300, EDDP100, MDMA500, MET1000, MOR/OPI300, MTD300, THC50
103113	Multi 10Y	AMP300, BUP10, BZD300, COC300, FYL10, EDDP100, MET1000, MOR/OPI300, THC50; PH/CREA
103114	Multi 10Z	AMP300, BUP10, BZD200, COC300, MDMA500, MET300, MOR/OPI300, MTD300, OXY100, THC50

### nal von minden Drug-Screen® Multi-11 Dip Tests

Product code*	Product	Parameters
103112	Multi 11	AMP1000, BAR300, BUP10, BZD300, COC300, MDMA500, MET1000, MOR/OPI300, MTD300, TCA1000, THC50
103314	Multi 11D	AMP1000, BAR300, BUP10, BZD300, COC300, MDMA500, MET1000, MOR/OPI300, MTD300, THC50; PH/CREA
103315	Multi 11F-AC-A	AMP300, BUP10, BZD200, FYL10, MDMA500, MET300, MOR/OPI300, MTD300, OXY100, THC25, TML100; PH/CREA
103318	Multi 11I	AMP1000, BUP10, BZD300, EtG500, MET1000, MOR/OPI300, MPD150, MTD300, OXY100, THC50, TML100
103319	Multi 11J	AMP1000, BAR300, BUP10, BZD300, COC300, EDDP100, FYL10, MOR/OPI300, PCP25, SPC50, THC50
103320	Multi 11K	AMP1000 BUP10 BZD300 COC300 EtG500 MET500 MOR300 MTD300 OXY100 THC50 TML100
103322	Multi 11L	AMP500, BUP5, BZD300, COC150, KET1000, MDMA500, MET500, MOR/OPI2000, SPC20, TCA1000, THC50

### nal von minden Drug-Screen® Multi-12 Dip Tests

Product code*	Product	Parameters
103123	Multi 12A	AMP300, BAR300, BUP10, BZD300, COC300, MDMA500, MET1000, MOR/OPI300, MTD300, TCA1000, THC50, TML100
103523	Multi 12AD	AMP300, BUP10, BZD100, COC100, FYL10, MDMA500, MET300, MOR/OPI100, MTD300, OXY100, THC25, TML100
103129	Multi 12C	AMP300, BUP10, BZD300, COC300, FYL10, MDMA500, MET300, MOR/OPI300, MTD300, OXY100, THC50, TML100
103212	Multi 12F	AMP1000, BAR300, BUP10, BZD300, COC300, EDDP100, MDMA500, MET1000, MOR/OPI300, MTD300, TCA1000, THC50
103213	Multi 12G	AMP1000, BAR300, BUP10, BZD300, COC300, KET1000, MDMA500, MET1000, MOR/OPI300, MTD300, THC50; CREA
103217	Multi 12L	AMP300, BUP10, BZD300, COC300, FYL10, MDMA500, MET300, MOR/OPI300, MTD300, TCA1000, THC50, TML100
103218	Multi 12M	AMP300, BUP10, BZD200, COC300, FYL10, MDMA500, MET300, MOR/OPI300, MTD300, OXY100, THC50, TML100
103512	Multi 12Q	AMP300, BUP10, BZD300, COC300, EDDP100, FYL10, MDMA500, MET300, MOR/OPI300, MPD150, SPC50, THC50
103513	Multi 12R	FYL10, KET1000, MDA500, MPD300, MQL300, OXY100, PCP25, PPX300, SPC50, TCA1000, TZD25, ZAL100
103520	Multi 12Z	AMP300, BAR300, BUP10, BZD300, COC300, MDMA500, MET300, MOR/OPI300, MTD300, THC50, TML100, ZOL25

\*25 dip tests per pack. Alternative and custom test combinations available.



Haven't found the perfect combination for your needs? We have many more available and can also manufacture custom tests on request.

Contact us today: [sales-dept@nal-vonminden.com](mailto:sales-dept@nal-vonminden.com) or from UK: 01580 232 288 or from Ireland freephone: 1800 555 008

# Urine multi-cassette tests

## nal von minden Drug-Screen® Multi-2 Cassette Tests

Product code*	Product	Parameters
104156	Multi 2TD	THC150, THC25
104024	Multi 2TF	EDDP100, MOR/OPI300
104025	Multi 2TG	BZD300, MOR/OPI300
104026	Multi 2TH	MET1000, THC50



## nal von minden Drug-Screen® Multi-3 Cassette Tests

Product code*	Product	Parameters
623002	Multi 3T	BZD300, COC300, MOR/OPI300
104032	Multi 3TC	BAR300, BZD300, TCA1000
104033	Multi 3TD	COC300, MOR/OPI300, THC50
104037	Multi 3TG	THC50, THC150, THC25
104038	Multi 3TH	BUP10, EDDP100, MTD300
104039	Multi 3TJ	BZD300, EDDP100, MOR/OPI300
104130	Multi 3TK	BUP10, BZD300, MOR/OPI300
104131	Multi 3TL	BZD300, MOR/OPI300, THC50
104134	Multi 3TP	OXY100, TML100, ZOL50
104233	Multi 3TZ	AMP1000, MET1000, THC50

## nal von minden Drug-Screen® Multi-4 Cassette Tests

Product code*	Product	Parameters
630302	Multi 4T	BZD300, COC300, MOR/OPI300, THC50
104044	Multi 4TA	BZD300, COC300, MOR/OPI300, MTD300
104045	Multi 4TB	COC300, MET1000, MOR/OPI300, THC50
104042	Multi 4TC	COC300, MDMA500, MOR/OPI300, THC50
104040	Multi 4TD	AMP1000, COC300, MOR/OPI300, THC50
104046	Multi 4TF	COC300, MOR/OPI300, MTD300, THC50
104043	Multi 4TK	COC300, MOR/OPI2000, SPC50, THC500

## nal von minden Drug-Screen® Multi-5 Cassette Tests

Product code*	Product	Parameters
640002	Multi 5T	AMP300, COC300, MET300, MOR/OPI300, THC50
104252	Multi 5TAA	BAR300, BZD300, MTD300, PCP25, PPX300
104257	Multi 5TAF	AMP1000, COC300, MOR/OPI300, MTD300, THC50
104151	Multi 5TB	BZD300, COC300, MOR/OPI300, MTD300, THC50
104152	Multi 5TC	AMP1000, BZD300, COC300, EDDP100, MOR/OPI300
104050	Multi 5TD	AMP1000, COC300, MET1000, MOR/OPI300, THC50
104054	Multi 5TH	AMP1000, BZD300, COC300, MOR/OPI300, THC50
104052	Multi 5TL	AMP1000, COC300, MDMA500, MOR/OPI300, THC50
104166	Multi 5TX	AMP300, BZD300, MET500, MOR/OPI2000, THC50
104251	Multi 5TZ	COC300, MDMA500, MTD300, MOR/OPI300, THC50

#### nal von minden Drug-Screen® Multi-6 Cassette Tests

Product code*	Product	Parameters
640302	Multi 6T	AMP300, BZD300, COC300, EDDP100, MOR/OPI300, THC50
104060	Multi 6TA	AMP1000, BZD300, COC300, MOR/OPI300, MTD300, THC50
640802	Multi 6TB	AMP300, BUP10, BZD300, COC300, MOR/OPI300, THC50
104061	Multi 6TC	AMP1000, COC300, MDMA500, MET1000, MOR/OPI300, THC50
104062	Multi 6TD	AMP1000, BZD300, COC300, MET1000, MOR/OPI300, THC50
104065	Multi 6TG	AMP1000, BZD300, COC300, MDMA500, MOR/OPI300, THC50
104160	Multi 6TL	AMP1000, BUP10, BZD300, EDDP100, MET1000, MOR/OPI300
104164	Multi 6TR	AMP300, COC100, MDMA500, MET300, MOR/OPI100, THC25
104167	Multi 6TT	AMP500, COC300, MDMA500, MET500, MOR/OPI300, THC50
104262	Multi 6TY	AMP1000, BZD300, COC300, MOR/OPI300, THC50, THC150

#### nal von minden Drug-Screen® Multi-7 Cassette Tests

Product code*	Product	Parameters
104070	Multi 7TA	AMP1000, BUP10, BZD300, COC300, MOR/OPI300, MTD300, THC50
104071	Multi 7TB	AMP1000, BAR300, BZD300, COC300, MOR/OPI300, MTD300, THC50
104072	Multi 7TC	AMP1000, BZD300, COC300, MET1000, MOR/OPI300, MTD300, THC50
104075	Multi 7TF	AMP500, COC300, MDMA500, MET500, MOR/OPI300, MTD300, THC50
104078	Multi 7TJ	AMP1000, BZD200, COC300, MDMA500, MET1000, MOR/OPI300, THC50
104170	Multi 7TK	AMP1000, BUP10, BZD300, COC300, EDDP100, MOR/OPI300, THC50
104079	Multi 7TL	AMP1000, BUP10, COC300, MET1000, MOR/OPI300, MTD300, THC50
104171	Multi 7TM	AMP300, BUP10, BZD100, COC100, EDDP100, MOR/OPI300, THC25
104172	Multi 7TN	AMP300, BAR300, BZD100, COC100, MDMA500, MOR/OPI100, THC25
104175	Multi 7TR	AMP500, BZD300, COC300, EDDP100, MET500, MOR/OPI300, THC150

#### nal von minden Drug-Screen® Multi-8 Cassette Tests

Product code*	Product	Parameters
104082	Multi 8TC	AMP1000, BAR300, BZD300, COC300, MET1000, MOR/OPI300, MTD300, THC50
104084	Multi 8TD	AMP1000, BAR300, BUP10, COC300, MDMA500, MOR/OPI300, MTD300, THC50
104085	Multi 8TE	AMP1000, BAR300, BZD300, COC300, MDMA500, MOR/OPI300, MTD300, THC50
104086	Multi 8TF	AMP1000, BUP10, BZD300, COC300, EDDP100, MOR/OPI300, TCA1000, THC50
104087	Multi 8TG	AMP1000, BUP10, BZD300, COC300, MDMA500, MOR/OPI300, MTD300, THC50
104183	Multi 8TO	AMP1000, BUP10, COC300, MDMA500, MET1000, MOR/OPI300, MTD300, THC50
104184	Multi 8TP	AMP1000, BZD200, COC300, KET1000, MDMA500, MET1000, MOR/OPI300, THC50
104185	Multi 8TQ	AMP300, COC300, EDDP100, MDMA500, MET300, MOR/OPI300, MTD300, THC50

#### nal von minden Drug-Screen® Multi-9 Cassette Tests

Product code*	Product	Parameters
104091	Multi 9TB	AMP1000, BAR300, BZD300, COC300, MDMA500, MOR/OPI300, MTD300, TCA1000, THC50
104092	Multi 9TC	AMP500, BUP10, COC300, MDMA500, MET500, MOR/OPI300, MTD300, THC50; PH/CREA
104095	Multi 9TF	AMP1000, BZD300, COC300, EDDP100, MDMA500, MET1000, MTD300, MOR/OPI300, THC50
104097	Multi 9TH	AMP1000, BUP10, BZD300, COC300, EtG500, KET1000, MTD300, MOR/OPI300, THC50

#### nal von minden Drug-Screen® Multi-10 Cassette Tests

Product code*	Product	Parameters
620802	Multi 10E	AMP1000, BAR300, BZD300, COC300, MDMA500, MET1000, MOR300, MTD300, TCA1000, THC50
104100	Multi 10TC	AMP1000, BAR300, BZD300, COC300, MET1000, MOR/OPI300, MTD300, PCP25, TCA1000, THC50
104101	Multi 10TD	AMP1000, BAR300, BZD300, COC300, MDMA500, MET1000, MOR/OPI300, MTD300, TCA1000, THC50
104118	Multi 10TJ	AMP500, BAR300, BZD200, COC300, MDMA500, MET500, MOR/OPI300, MTD300, TCA500, THC50
104010	Multi 10TK	AMP300, BAR300, BZD200, COC100, MDMA500, MET300, MOR/OPI300, MTD300, TCA1000, THC50
104312	Multi 10TN	ALC 0.2 %, AMP300, BUP10, BZD100, COC100, EDDP100, FYL10, MET300, MOR/OPI100, TML100
104313	Multi 10TO	AMP500, BAR300, BZD200, COC300, MDMA500, MET1000, MOR/OPI300, MTD300, TCA1000, THC50
104315BA	Multi 10TR	AMP300, BAR300, BZD100, COC300, MDMA500, MET300, MOR300, MTD300, TCA300, THC50

#### nal von minden Drug-Screen® Multi-11 Cassette Tests

Product code*	Product	Parameters
640702	Multi 11T	AMP300, BAR300, BUP10, BZD300, COC300, MDMA500, MET300, MOR/OPI300, MTD300, TCA1000, THC50
104110	Multi 11TA	AMP1000, BAR300, BUP10, BZD300, COC300, MDMA500, MET1000, MOR/OPI300, MTD300, TCA1000, THC50
104114	Multi 11TE	AMP1000, BUP10, COC300, KET1000, MDMA500, MET1000, MOR/OPI300, MTD300, PCM5000, THC50, TML100
104210	Multi 11TJ	AMP1000, BAR300, BZD300, COC300, MDMA500, MET1000, MOR/OPI300, MTD300, PCM5000, TCA1000, THC50
104211	Multi 11TK-AC-C	AMP1000, BAR300, BZD300, COC300, MDMA500, MET1000, MOR/OPI300, MTD300, PCP25, TCA1000, THC50; PH/CREA/SG
104216BA	Multi 11TO	AMP300, BAR300, BUP10, BZD100, COC300, MDMA500, MET300, MOR300, MTD300, TCA300, THC50

#### nal von minden Drug-Screen® Multi-12 Cassette Tests

Product code*	Product	Parameters
104120	Multi 12T	AMP1000, BAR300, BZD300, COC300, MDMA500, MET1000, MOR/OPI300, MOR/OPI2000, MTD300, PCP25, TCA1000, THC50
104122	Multi 12TB	AMP1000, BAR300, BUP10, BZD300, COC300, MDMA500, MET1000, MOR/OPI2000, MTD300, PCP25, TCA1000, THC50
104123	Multi 12TC	AMP300, BAR300, BUP10, BZD200, COC100, MDMA500, MET300, MOR/OPI100, MTD300, PCP25, TCA1000, THC25
104124	Multi 12TD	AMP1000, BAR300, BUP10, BZD300, COC300, EDDP100, MDMA500, MET1000, MOR/OPI300, MTD300, TCA1000, THC50
104125	Multi 12TE	AMP300, BAR300, BUP10, BZD300, COC300, FYL10, MDMA500, MET300, MOR/OPI300, MTD300, TCA1000, THC50
104126	Multi 12TF	AMP1000, BAR300, BUP10, BZD300, COC300, EDDP100, MDMA500, MET1000, MOR/OPI300, MTD300, TCA1000, THC50; PH/CREA
104127	Multi 12TG	AMP1000, BAR300, BZD300, COC300, EDDP100, KET1000, MDMA500, MET1000, MOR/OPI300, MTD300, TCA1000, THC50
104128	Multi 12TH	AMP1000, BAR300, BZD300, COC300, MDMA500, MET1000, MOR/OPI300, MTD300, OXY100, PCP25, TCA1000, THC50

\*25 cassette tests per pack. Alternative and custom test combinations available.



Haven't found the perfect combination for your needs? We have many more available and can also manufacture custom tests on request.

Contact us today: [sales-dept@nal-vonminden.com](mailto:sales-dept@nal-vonminden.com) or from UK: 01580 232 288 or from Ireland freephone: 1800 555 008



## Urine cup tests

Hygienic, practical and available with various parameter combinations: The nal von minden Drug-Screen® urine cup tests with integrated test strips are the ideal option for drug screening. The chances of coming into contact with the sample is greatly reduced, making cup tests the most hygienic method of sample collection. The cup can also be used as a transport container to

send the sample directly to a laboratory for confirmatory analysis. With our innovative Cup II (Key Cup) test, the sample is held separately from the testing strips so analysis can be started at your convenience. For the early detection of manipulation attempts, each cup test is fitted with an integrated temperature strip to measure sample freshness.

### Advantages

- ✓ Simple test procedure with fast, reliable results
- ✓ Reduced risk of coming into contact with sample material
- ✓ Flexible cut-off levels for differing needs
- ✓ Flexible multi-test combination for the detection of several parameters simultaneously
- ✓ Sample collection container and rapid test in one

# Key Cups – simple, safe and advanced

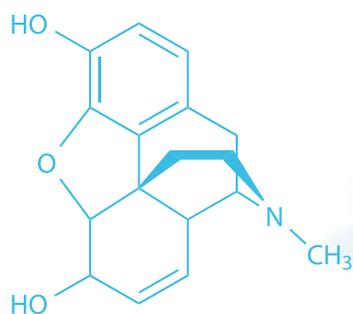
## Cup II

- ✓ Separated sample and test chambers
- ✓ Turn key 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 RSS III only)



Product code*	Product	Parameters
<b>3 Parameter</b>		
910030	Drug-Screen Cup II 3A-AC-C	EtG500, MET1000, THC50; PH/CREA/SG
910031	Drug-Screen Cup II 3B	COC100, MDMA500, THC25
<b>4 Parameter</b>		
910040	Drug-Screen Cup II 4A	AMP1000, COC300, MOR/OPI300, THC50
910042	Drug-Screen Cup II 4C	BZD300, COC300, MOR/OPI300, MTD300
910043	Drug-Screen Cup II 4D	BUP10, COC300, MOR/OPI300, MTD300
<b>5 Parameter</b>		
910050	Drug-Screen Cup II 5A	AMP1000, BZD300, COC300, MOR/OPI300, THC50
910051	Drug-Screen Cup II 5B	AMP1000, COC300, MET1000, MOR/OPI300, THC50
910053	Drug-Screen Cup II 5C	AMP1000, BZD300, COC300, MOR/OPI300, MTD300
910054	Drug-Screen Cup II 5D	BUP10, BZD300, COC300, MOR/OPI300, THC50
910057	Drug-Screen Cup II 5G	AMP500, BZD300, MDMA500, MOR/OPI300, THC50
<b>6 Parameter</b>		
910060	Drug-Screen Cup II 6A	AMP1000, BZD300, COC300, MOR/OPI300, MTD300, THC50
910061	Drug-Screen Cup II 6B	AMP1000, BZD300, COC300, MET1000, MOR/OPI300, THC50
910062	Drug-Screen Cup II 6C	BUP10, BZD300, COC300, MOR/OPI300, MTD300, THC50
910063	Drug-Screen Cup II 6D + 6ADU	AMP300, BZD200, COC300, MET300, MOR/OPI300, THC50; OXI/SG/PH/NIT/GLU/CREA
910067	Drug-Screen Cup II 6G	AMP1000, BUP10, BZD300, COC300, MOR/OPI300, MTD300
910068	Drug-Screen Cup II 6H	BUP10, BZD300, COC300, EDDP100, MOR/OPI300, THC50
<b>7 Parameter</b>		
910070	Drug-Screen Cup II 7A	AMP1000, BZD300, COC300, MET1000, MOR/OPI300, MTD300, THC50
910071	Drug-Screen Cup II 7B	AMP1000, BUP10, BZD300, COC300, MOR/OPI300, MTD300, THC50
910076	Drug-Screen Cup II 7G	AMP1000, BZD300, COC300, MDMA500, MTD300, MOR/OPI300, THC50
910077	Drug-Screen Cup II 7H	AMP1000, BUP10, BZD300, COC300, EDDP100, MOR/OPI300, MTD300
910078	Drug-Screen Cup II 7I-AC-A	AMP1000, BUP10, BZD300, EDDP100, MOR/OPI300, SPC50, THC50; PH/CREA
911075	Drug-Screen Cup II 7P	AMP1000, BZD300, COC300, MOR/OPI300, MTD300, PGB500, THC50

8 Parameter		
910080	Drug-Screen Cup II 8A	AMP1000, BUP10, BZD300, COC300, MOR/OPI300, MTD300, TCA1000, THC50
910089	Drug-Screen Cup II 8AA	AMP1000, BUP10, BZD300, COC300, EDDP100, MOR/OPI300, MTD300, THC50
910082	Drug-Screen Cup II 8C	AMP500, COC300, MDMA500, MET500, MOR/OPI300, MTD300, THC50; PH/CREA
910083	Drug-Screen Cup II 8D	AMP1000, BUP10, BZD300, COC300, MOR/OPI300, MTD300, THC50, TML100
910084	Drug-Screen Cup II 8E	AMP1000, BUP10, BZD300, COC300, EDDP100, MOR/OPI300, THC50; CREA
910085	Drug-Screen Cup II 8F	AMP300, BZD200, COC300, MET300, MOR/OPI300, THC50; OXI/SG/PH/NIT/GLU/CREA
910086	Drug-Screen Cup II 8G	AMP1000, BUP10, BZD300, COC300, EDDP100, KET1000, MOR/OPI300, THC50
910087	Drug-Screen Cup II 8H	AMP1000, BUP10, BZD200, COC150, EDDP100, MOR/OPI300, THC50; CREA
911084	Drug-Screen Cup II 8L	AMP1000, BAR300, BZD300, COC300, MET1000, MOR/OPI300, MTD300, THC50
9 Parameter		
910091	Drug-Screen Cup II 9B	AMP500, BUP10, COC300, MDMA500, MET500, MOR/OPI300, MTD300, THC50; PH/CREA
910092	Drug-Screen Cup II 9C	AMP1000, BAR300, BUP10, BZD300, COC300, MDMA500, MOR/OPI300, MTD300, THC50
910093	Drug-Screen Cup II 9D	AMP1000, BUP10, BZD300, COC300, EDDP100, MET1000, MOR/OPI300, MTD300, THC50; PH/OXI/SG
910094	Drug-Screen Cup II 9E	AMP300, BUP10, BZD100, COC100, EDDP100, MET300, MOR/OPI100, THC50; CREA
910088	Drug-Screen Cup II 9F	AMP500, BUP5, COC300, MDMA500, MET500, MOR/OPI300, MTD300, THC50; PH/CREA
910095	Drug-Screen Cup II 9F-AC-A	AMP1000, BUP10, BZD300, COC300, EDDP100, MET300, MOR/OPI300, SPC50, THC50; PH/CREA
910096	Drug-Screen Cup II 9G-AC-A	AMP500, BUP10, COC300, EtG500, MDMA500, MET500, MOR/OPI300, MTD300, THC50; PH/CREA
910097	Drug-Screen Cup II 9H	AMP1000, BUP10, BZD300, COC300, MOR/OPI300, MTD300, SPC50, TCA1000, THC50
910098	Drug-Screen Cup II 9I-AC-C	AMP1000, BUP10, BZD300, COC300, EtG500, MDMA500, MET1000, MOR/OPI300, THC50; PH/CREA/SG
910099	Drug-Screen Cup II 9J	ALCO.2%, AMP1000, BZD300, COC300, COT200, MOR/OPI300, MTD300, PGB500, THC50



10 Parameter		
910101	Drug-Screen Cup II 10B	AMP1000, BAR300, BZD300, COC300, MDMA500, MET1000, MOR/OPI300, MTD300, TCA1000, THC50
910102	Drug-Screen Cup II 10C	AMP1000, BUP10, BZD300, COC300, MDMA500, MET1000, MOR/OPI300, MTD300, TCA1000, THC50
910104	Drug-Screen Cup II 10D	AMP1000, BAR300, BZD300, COC300, MET1000, MOR/OPI300, MTD300, PCP25, TCA1000, THC50
910106	Drug-Screen Cup II 10F-AC-B	AMP1000, BZD300, COC300, MDMA500, MET1000, MOR/OPI2000, MPD150, SPC50, TCA1000, THC50; PH/CREA/OXI
11 Parameter		
910110	Drug-Screen Cup II 11	AMP1000, BAR200, BZD200, COC300, MDMA500, MOR/OPI300, MTD300, PCP25, TCA1000, THC50; CREA
910111	Drug-Screen Cup II 11B	AMP1000, BUP10, BZD300, MET1000, MOR/OPI300, SPC50, MDMA500, MPD150, OXY100, THC25, TML100
910112	Drug-Screen Cup II 11C	AMP1000, BAR300, BUP10, BZD300, COC300, MDMA500, MET1000, MOR/OPI300, MTD300, TCA1000, THC50
910113	Drug-Screen Cup II 11D	AMP1000, BUP10, BZD300, COC300, MDMA500, MET1000, MOR/OPI300, MTD300, SPC50, TCA1000, THC50
12 Parameter		
910120	Drug-Screen Cup II 12A	AMP1000, BAR200, BUP10, BZD200, COC300, MDMA500, MET300, MOR/OPI300, MTD250, PCP25, THC25, TML100; CREA/OXI
910122	Drug-Screen Cup II 12C	AMP1000, BUP10, BZD300, COC300, FYL10, MDMA500, MET1000, MOR/OPI300, MTD300, TCA1000, THC50, TML100
910124	Drug-Screen Cup II 12D	AMP1000, BZD300, COC300, KET1000, MDMA500, MET1000, MOR/OPI300, MTD300, OXY100, SPC50, THC50, TML100
910125	Drug-Screen Cup II 12E	ALCO.2, AMP1000, BAR300, BZD300, COC300, COT200, MET1000, MOR/OPI300, MTD300, PCP25, TCA1000, THC50
14 Parameter		
910140	Drug-Screen Cup II 14A	AMP1000, BUP10, BZD300, COC300, FYL10, MDMA500, MET1000, MTD300, MPD150, MOR/OPI2000, SPC50, TCA1000, THC50, TML100
16 Parameter		
9120160	Drug-Screen Cup II 16A	AMP1000, BUP10, BZD300, COC300, EDDP100, FYL10, HRN/6-MAM10, MET1000, MDMA500, MOR/OPI300, MPD150, PGB500, TCA1000, THC50, TIL300, TML100

\*25 cup tests per pack. Alternative and custom test combinations available.

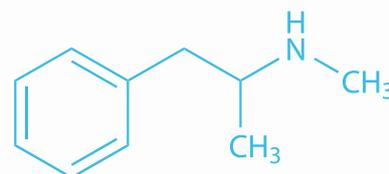
## Cup V

- ✓ Has all the advantages of the Cup II – and in addition a snap lid that cannot be lost



Product code*	Product	Parameters
1780060	Drug-Screen Cup V 6A	AMP1000, BZD300, COC300, MOR/OPI300, MTD300, THC50
1780091	Drug-Screen Cup V 8A-AC-A	AMP500, BUP10, COC300, MDMA500, MET500, MOR/OPI300, MTD300, THC50; PH/CREA

\*25 cup tests per pack. Alternative and custom test combinations available.



# Keep it short and (even more) simple

## Side Panel Cup

- ✓ Immediate testing
- ✓ Flat results window facilitates result documentation
- ✓ Large variety of possible parameter combinations
- ✓ Easy to handle



Product code*	Product	Parameters
830020	Drug-Screen Cup Side Panel 2CA	MOR/OPI300, THC50
830043	Drug-Screen Cup Side Panel 3A-AC-C	AMP1000, MOR/OPI300, THC50; PH/CREA/SG
830033	Drug-Screen Cup Side Panel 3CA	BZD300, MOR/OPI300, MTD300
830042	Drug-Screen Cup Side Panel 4CA	BZD300, COC300, MOR/OPI300, MTD300
830050	Drug-Screen Cup Side Panel 5CA	AMP1000, BZD300, COC300, MOR/OPI300, THC50
830052	Drug-Screen Cup Side Panel 5CC	AMP1000, BAR300, BZD300, MET1000, THC50
830053	Drug-Screen Cup Side Panel 5CD-AC-C	AMP1000, COC300, MET1000, MOR/OPI300, THC50; PH/CREA/SG
830060	Drug-Screen Cup Side Panel 6CA	AMP1000, BZD300, COC300, MOR/OPI300, MTD300, THC50
830061	Drug-Screen Cup Side Panel 6CB	AMP1000, BZD300, COC300, MDMA500, MOR/OPI300, THC50
830062	Drug-Screen Cup Side Panel 6CD	AMP1000, BAR300, COC300, MOR/OPI300, PCP25, THC50
830063	Drug-Screen Cup Side Panel 6CF	COC300, MDMA500, MET1000, MOR/OPI300, THC50; PH/CREA/SG
830064	Drug-Screen Cup Side Panel 6CG	BAR300, COC300, MET1000, MOR/OPI300, THC50; PH/CREA/SG
830065	Drug-Screen Cup Side Panel 6CH	BUP10, BZD300, COC300, EDDP100, MOR/OPI300; NIT
830071	Drug-Screen Cup Side Panel 7CB	AMP1000, BUP10, BZD300, COC300, MOR/OPI300, MTD300, THC50
830080	Drug-Screen Cup Side Panel 8CA	AMP1000, BUP10, BZD300, COC300, MOR/OPI300, MTD300, TCA1000, THC50
830081	Drug-Screen Cup Side Panel 8CB	AMP1000, BUP10, BZD300, COC300, MET1000, MOR/OPI300, MTD300, THC50
830082	Drug-Screen Cup Side Panel 8CC	AMP1000, BUP10, BZD300, COC300, MOR/OPI300, MTD300, THC50, TML100
830090	Drug-Screen Cup Side Panel 9CA	AMP1000, BAR300, BZD300, COC300, MET1000, MOR/OPI300, MTD300, TCA1000, THC50
830101	Drug-Screen Cup Side Panel 10CB	AMP1000, BAR300, BZD300, COC300, MDMA500, MET1000, MOR/OPI300, MTD300, TCA1000, THC50

\*25 cup tests per pack. Alternative and custom test combinations available.

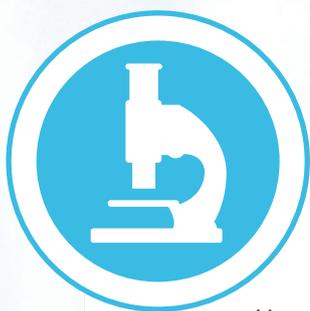
## Cup III

- ✓ Immediate testing
- ✓ Compact testing for up to 15 parameters simultaneously
- ✓ Flexible parameter combinations



Product code*	Product	Parameters
1770020	Drug-Screen Cup III 2RA	AMP1000, COC300
1770030	Drug-Screen Cup III 3RA	BZD300, MOR/OPI300, MTD300
1770031	Drug-Screen Cup III 3RB	COC300, MOR/OPI300, THC50
1770040	Drug-Screen Cup III 4RA	AMP1000, COC300, MOR/OPI300, THC50
1770050	Drug-Screen Cup III 5RA	AMP1000, BUP10, BZD300, COC300, THC50
1770051	Drug-Screen Cup III 5RB	AMP1000, COC300, MDMA500, MET1000, MOR/OPI300
1770060	Drug-Screen Cup III 6RA	AMP1000, BZD300, COC300, MOR/OPI300, MTD300, THC50
1770061	Drug-Screen Cup III 6RB	AMP1000, COC300, MET1000, MOR/OPI300, PCP25, THC50
1770062	Drug-Screen Cup III 6RC	AMP1000, BUP10, BZD300, COC300, MOR/OPI300, THC50
1770070	Drug-Screen Cup III 7RA	AMP1000, BZD300, COC300, MET1000, MOR/OPI300, MTD300, THC50
1770080	Drug-Screen Cup III 8RA	AMP1000, BUP10, BZD300, COC300, MET1000, MOR/OPI300, MTD300, THC50
1770090	Drug-Screen Cup III 9RA	AMP1000, BAR300, BUP10, BZD300, COC300, MDMA500, MOR/OPI300, MTD300, THC50
1770100	Drug-Screen Cup III 10RA	AMP1000, BAR300, BUP10, BZD300, COC300, MDMA500, MET1000, MOR/OPI300, MTD300, THC50
1770110	Drug-Screen Cup III 11RA	AMP1000, BAR300, BUP10, BZD300, COC300, MDMA500, MET1000, MOR/OPI300, MTD300, PCP25, THC50
1770112	Drug-Screen Cup III 11RC-AC-B	AMP300, BAR200, BUP5, BZD100, COC100, MDMA500, MET300, MOR/OPI100, MTD300, TCA300, THC25; PH/CREA/OXI
1770120	Drug-Screen Cup III 12RA	AMP1000, BAR300, BUP10, BZD300, COC300, EDDP100, MDMA500, MET1000, MOR/OPI300, MTD300, PCP25, THC50

\*25 cup tests per pack. Alternative and custom test combinations available.



## Adulteration tests

Very few people are smarter than a drug test. Nevertheless, many attempt to manipulate them. The adulteration methods range from drinking a considerable amount of water before giving the urine sample – the purpose being to dilute it – to the addition of foreign substances intended to eliminate the drugs or metabolites present in the sample. Unfortunately for them, an adulteration test used in the run up to a drug screening can indicate whether the sample has been manipulated, as well as which method was used.

## Safeguarding reliable results

To guarantee they are as tamper-proof as possible, all nal von minden Drug-Screen® rapid tests are equipped with a whole variety of adulteration indicators. First of all, a control line (C line) is integrated into each test strip to monitor test performance. This confirms that an adequate sample volume has been used and that nothing was added to the sample which may interfere with the test principle in general. Equally important is the quality of the sample material. Different methods are often used to manipulate the outcome of drug tests, with the intention of avoiding a positive result. The dilution of urine samples through the addition of extra fluids is a common method.

Testing the temperature of a fresh urine sample can be a fast and clear indicator of the authenticity of the sample. For this reason, you will find temperature strips integrated into every nal von minden Drug-Screen® Cup test. These test strips can also be used in conjunction with other test formats for extra peace of mind. For the

reliable detection of substances in a manipulated sample, all nal von minden multi-parameter urine tests (cup, dip, cassette) can be equipped with adulteration strips. These strips are able to quickly identify whether a sample has been tampered with through the measurement of the parameters listed in the table below.

The nal von minden UrineCheck 7 DoA Adulteration Test allows for the detection of up to 7 adulteration parameters simultaneously, aiding in the identification of manipulation attempts.



Product	Parameter
pH-value	For the detection of added acids or solutions
Nitrite	Nitrate is metabolised to nitrite by gram-negative bacteria – this may alter the test result
Specific weight	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 the outcome of the test
Bleaching agents	Bleaching agents can interfere with results as a result of impairing the test and control line
Pyridinium chlorochromate	A chemical that can interfere with the test

### nal von minden adulteration parameters

Test strips for the detection of urine adulteration

Product code	Product	Parameter	Pack Size
630925	UrineCheck 7 DoA Adulteration Test	7 parameter: Creatinine, pH-value, glutaraldehyde, specific weight, nitrite, bleaching agents and pyridinium chlorochromate	25 strips
124004	Temperature Strips	32°C-37°C	100 strips



Are you interested in further adulteration tests? Need help for chain of custody? Let us know: [sales-dept@nal-vonminden.com](mailto:sales-dept@nal-vonminden.com) or from UK: 01580 232 288 or from Ireland freephone: 1800 555 008



## Whole blood tests

As reliable as it gets: The nal von minden Drug-Screen® whole blood tests deliver fast and accurate results regarding substance misuse. Using serum and plasma, as well as venous whole blood and capillary blood, drug consumption is detectable within minutes. Sensitive cut-off levels also aid the earlier detection of acute drug consumption.

### Advantages

- ✓ Samples cannot be adulterated
- ✓ Substances detectable within minutes of consumption
- ✓ Fingertip testing possible
- ✓ Specifically designed cut-off levels

### For use

- ✓ By emergency doctors
- ✓ On comatose patients
- ✓ In the detection of acute intoxication
- ✓ During initial testing in post-mortem examinations

# Whole blood rapid tests

## Single tests cassettes

Product code *	Product	Abbreviation	Cut-off
106016	Drug-Screen AMP (Amphetamine)	AMP50	50 ng/ml
106002	Drug-Screen BAR (Barbiturates)	BAR100	100 ng/ml
106003	Drug-Screen BZD (Benzodiazepines)	BZD100	100 ng/ml
106005	Drug-Screen COC (Cocaine)	COC50	50 ng/ml
106024	Drug-Screen KET (Ketamine)	KET50	50 ng/ml
106008	Drug-Screen MDMA (Methylendioxyamphetamine)	MDMA50	50 ng/ml
106018	Drug-Screen MET (Methamphetamine)	MET50	50 ng/ml
106009	Drug-Screen MOR/OPI (Opiates/Morphine)	MOR/OPI40	40 ng/ml
106006	Drug-Screen MTD (Methadone)	MTD50	50 ng/ml
106013	Drug-Screen TCA (Tricyclic Antidepressants)	TCA300	300 ng/ml
106017	Drug-Screen THC (Cannabinoids)	THC12	12 ng/ml

\*30 test cassettes per pack.

## Multi-parameter combinations

Product code *	Product	Parameter
<b>2 Parameter</b>		
1110020	Drug-Screen Multi 2XA Test	BZD100, TCA300
<b>3 Parameter</b>		
1110030	Drug-Screen Multi 3XA Test	BAR100, BZD100, TCA300
1110031	Drug-Screen Multi 3XB Test	BZD100, MET50, MOR/OPI40
<b>4 Parameter</b>		
1110040	Drug-Screen Multi 4XA Test	AMP50, COC50, MET50, MOR/OPI40
1110041	Drug-Screen Multi 4XB Test	BZD100, KET50, MET50, MOR/OPI40
<b>5 Parameter</b>		
1110050	Drug-Screen Multi 5XA Test	AMP50, COC50, MET50, MOR/OPI40, THC12
1110051	Drug-Screen Multi 5XB Test	BZD100, COC50, MET50, MOR/OPI40, THC12
<b>7 Parameter</b>		
1110070	Drug-Screen Multi 7XA Test	AMP50, BAR100, BZD100, COC50, MET50, MOR/OPI40, TCA300
<b>8 Parameter</b>		
1110080	Drug-Screen Multi 8XA Test	AMP50, BAR100, TCA300, THC12, BZD100, COC50, MET50, MOR/OPI40
1110081	Drug-Screen Multi 8XB Test	AMP50, BAR100, BZD100, COC50, MET50, MOR/OPI40, MTD50, TCA300
<b>9 Parameter</b>		
1110090	Drug-Screen Multi 9XA Test	AMP50, BAR100, BZD100, COC50, MET50, MOR/OPI40, MTD50, TCA300, THC12

\* 25 test cassettes per pack. Alternative and custom test combinations available.





## Saliva tests

Minimally invasive, tamper-proof and highly effective: The collection of oral fluids doesn't require any special facilities. It allows for witnessed sampling, all the while maintaining the subject's dignity. Therefore, saliva tests are particularly popular for roadside and workplace testing on the one hand and drug screenings in prisons and rehabilitation services on the other. Saliva tests offer an earlier detection window than urine tests, enabling the detection of recent consumption as opposed to consumption over a longer time period.

### Advantages

- ✓ Accurate results in just 10 minutes
- ✓ Easy handling and interpretation
- ✓ Simple sample collection using swab
- ✓ Long shelf life, storage at room temperature
- ✓ No electronic equipment necessary
- ✓ High sensitivity and specificity

### For use in

- ✓ Addiction management treatment
- ✓ Detoxification treatment
- ✓ Emergencies
- ✓ Forensics
- ✓ Workplace testing
- ✓ Transport authorities and custom controls

## Saliva Test Classic

In accordance with the wishes and suggestions of our customers, we are constantly evolving – and with us our products. The nal von minden Drug-Screen® Saliva Classic Test has also been revised and can now offer the following features in addition to 4 new parameters:

- ✓ Methylendioxypropyvalerone (MDPV, 50 ng/ml)
- ✓ Methylendioxyamphetamin (MDA, 50 ng/ml)
- ✓ Fentanyl (FYL, 10 ng/ml)
- ✓ Zolpidem (ZOL, 25 ng/ml)

### Improvements

- ✓ Screw-on cap has replaced snap lid – for safer and more practical shipping for confirmatory analysis
- ✓ Larger sample collection volume – new swab holds 1 mL
- ✓ Larger drop volume – facilitates application of sample to test
- ✓ More comfortable sampling – thanks to improved taste and appearance of the new, softer sponge
- ✓ More customised parameter combinations possible – your needs are important to us

**New parameters,  
improved test!**



# Saliva Test Classic

## Single tests

Product code (15 test cassettes)	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 <b>NEW!</b>	FYL10	10 ng/ml
190015	Methylenedioxyamphetamine <b>NEW!</b>	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 <b>NEW!</b>	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

## Saliva von minden Drug-Screen® Multi-2 Saliva Test Classic

Product code*	Product	Parameters
191020	Multi 2CA	AMP50, COC20
191021	Multi 2CB	BZD10, MOR/OPI40

\*25 tests per pack.

## Saliva von minden Drug-Screen® Multi-3 Saliva Test Classic

Product code*	Product	Parameters
191030	Multi 3CA	AMP50, COC20, THC12
191031	Multi 3CB	COC20, MET50, THC12
191032	Multi 3CC	COC20, MOR/OPI40, THC12
191033	Multi 3CD	BZD10, COC20, THC12

\*15 tests per pack.

## Saliva von minden Drug-Screen® Multi-4 Saliva Test Classic

Product code*	Product	Parameters
191040	Multi 4CA	AMP50, COC20, MOR/OPI40, THC12
191041	Multi 4CB	BUP5, BZD10, MOR/OPI40, THC12
191042	Multi 4CC	BUP5, BZD10, MTD30, MOR/OPI40

\*15 tests per pack. Alternative and custom test combinations available.

#### nal von minden Drug-Screen® Multi-5 Saliva Test Classic

Product code*	Product	Parameters
191050	Multi 5CA	AMP50, BZD10, COC20, MOR/OPI40, MTD30
191051	Multi 5CB	AMP50, BUP5, BZD10, COC20, MOR/OPI40
191052	Multi 5CC	AMP50, COC20, MET50, MOR/OPI40, THC12
191053	Multi 5CD	AMP50, BZD10, COC20, MOR/OPI40, THC12
191054	Multi 5CE	BUP5, BZD10, MOR/OPI40, MTD50, THC12
191055	Multi 5CF	BZD10, COC20, MET50, MOR/OPI40, THC12

#### nal von minden Drug-Screen® Multi-6 Saliva Test Classic

Product code*	Product	Parameters
191060	Multi 6CA	AMP50, COC20, MET50, MOR/OPI40, MTD30, THC12
191061	Multi 6CB	AMP50, COC20, MET50, MOR/OPI40, PCP10, THC12
191062	Multi 6CC	AMP50, BZD10, COC20, MOR/OPI40, MTD30, THC12
191067	Multi 6CH	AMP50, BZD10, COC20, MET50, MOR/OPI40, MTD30
191068	Multi 6CI	AMP50, BZD10, COC20, MET50, MOR/OPI40, THC12

#### nal von minden Drug-Screen® Multi-7 Saliva Test Classic

Product code*	Product	Parameters
191070	Multi 7CA	AMP50, BZD10, COC20, MET50, MOR/OPI40, MTD30, THC12
191071	Multi 7CB	AMP50, BUP5, BZD10, COC20, EDDP20, MOR/OPI40, THC12

#### nal von minden Drug-Screen® Multi-8 Saliva Test Classic

Product code*	Product	Parameters
191080	Multi 8CA	ALC0.2, AMP50, BZD10, COC20, MET50, MOR/OPI40, MTD30, THC12
191081	Multi 8CB	AMP50, BUP5, BZD10, COC20, MET50, MTD30, MOR/OPI40, THC12

#### nal von minden Drug-Screen® Multi-9 Saliva Test Classic

Product code*	Product	Parameters
191091	Multi 9CB	AMP50, BUP5, BZD10, COC20, MDMA50, MET50, MOR/OPI40, MTD30, THC12
191093	Multi 9CD	AMP50, BUP5, BZD10, COC20, EDDP20, MDMA50, MET50, MOR/OPI40, THC12

#### nal von minden Drug-Screen® Multi-10 Saliva Test Classic

Product code*	Product	Parameters
191010	Multi 10CA	AMP50, BUP5, BZD10, COC20, EDDP20, MDMA50, MOR/OPI40, MTD30, PCP10, THC12
191011	Multi 10CB	AMP50, BUP5, BZD10, COC20, MDA50, MDMA50, MET50, MOR/OPI40, MTD30, THC12

\*15 tests per pack.

## Saliva Test Advanced

With this innovative saliva test, a hygienic test procedure is guaranteed. The Saliva Test Advanced simultaneously analyses cocaine, cannabis, methamphetamine, morphine and amphetamine.

For this reason, it is particularly suitable for use in police checks – carried out in a single step, a positive result means the test can be sealed and sent to a laboratory for confirmatory analysis. The laboratory is then able to extract a sample from the test without having to reopen the sealed lid.



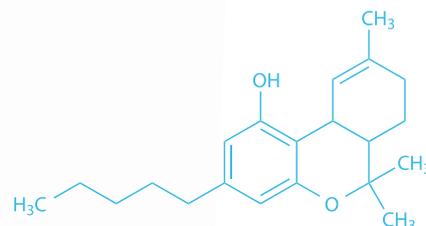
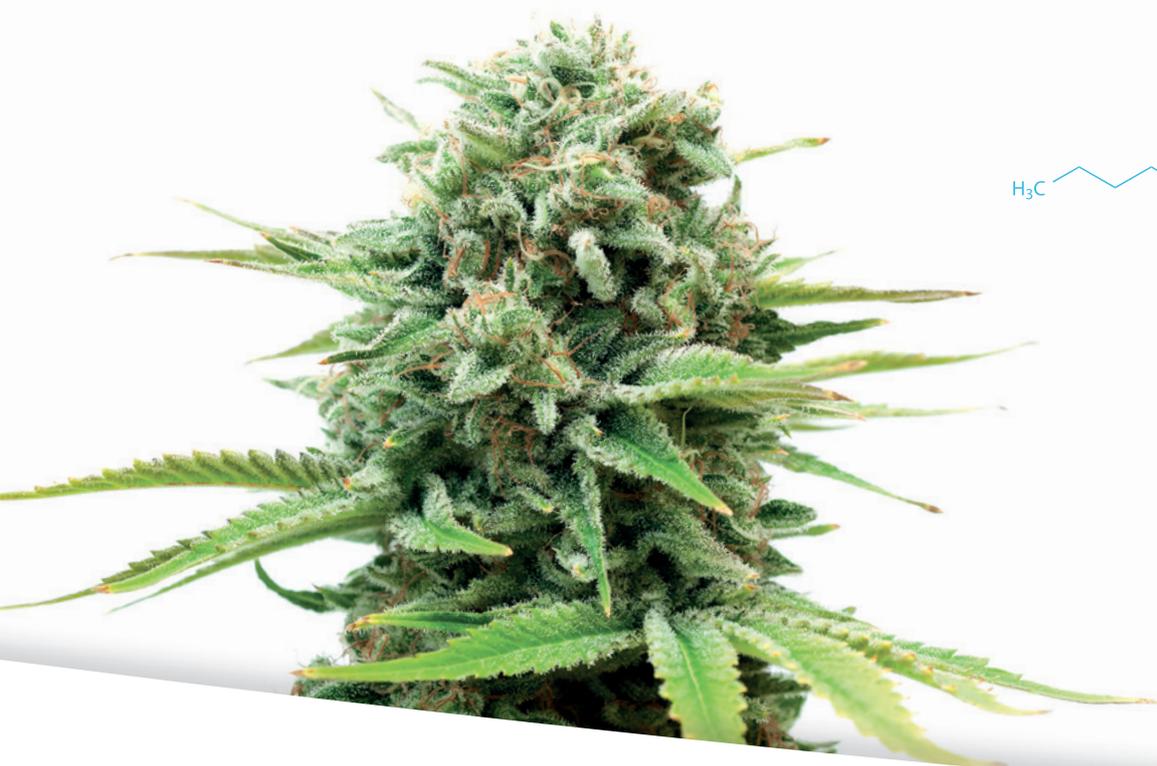
### Advantages

- ✓ Comfortable 1-step test, no additional materials necessary
- ✓ Accurate results in 10 minutes
- ✓ Simple sample collection using swab
- ✓ Long shelf life, storage at room temperature
- ✓ No electronic equipment necessary
- ✓ High sensitivity and specificity due to specially developed antibodies

### nal von minden Drug-Screen® Multi-5 Saliva Test Advanced

Product code*	Product	Parameters
116050	Multi 5A	AMP50, COC20, MET50, MOR/OPI40, THC12

\*10 tests per pack.



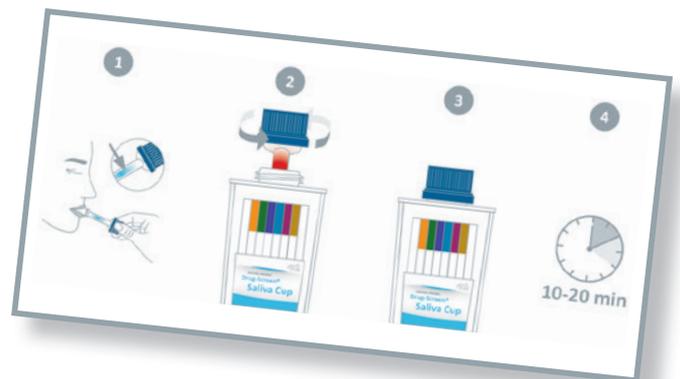
# Saliva Cup

Proven test principle, new test format: Hygienic, minimally invasive and tamper-proof-testing for alcohol and drug abuse has never been easier. However, this test format was only available for urine samples – until

now. The new saliva cup now makes it easy to take test samples using a sponge that can be securely sealed inside a cup. 18 different parameters can be reliably interpreted this way.

## Advantages

- ✓ Optimised test procedure requiring only 2 steps, no pipetting necessary
- ✓ Integrated volume indicator shows when sufficient saliva sample has been collected
- ✓ Flat result field for quick and easy documentation
- ✓ The snap-in function of the screw cap guarantees that the sample swab is squeezed out completely
- ✓ Evaluation with RSS flash possible
- ✓ Individual combination of up to 18 parameters possible



## nal von minden Drug-Screen® Multi-5 Saliva Cup

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

\*5 cup tests per pack. Alternative and custom test combinations possible.

**NEW**



## Saliva Test Integrated

The Saliva Test Integrated, carried out in just two steps, can test for up to six parameters simultaneously. The eight parameters – amphetamine, benzodiazepine, cocaine, cannabis, methamphetamine, methadone, opiates and PCP – are available in various combinations. In the event of a positive result, the Saliva Test Integrated can also be sealed and sent to a laboratory for confirmatory analysis of the original sample.

The only difference between the Advanced and Integrated saliva tests is that the Integrated Saliva Test swab must be disposed of after use. The laboratory can access the sample through the stopper on the front of the device.

- ✓ No extra step involving adding extracted sample drops necessary
- ✓ Accurate results in only 9 minutes
- ✓ Simple sample collection with swab
- ✓ Long shelf life, storage at room temperature
- ✓ No electronic equipment necessary
- ✓ High sensitivity and specificity



### nal von minden Drug-Screen® Multi-6

Product code *	Product	Parameter
115053	Multi 6GC Saliva	COC20, THC12, MET50, MOR/OPI40, AMP50, BZD20

\*10 tests per pack.



Haven't found the perfect combination for your needs? We have many more available and can also manufacture custom tests on request.

Contact us today: [sales-dept@nal-vonminden.com](mailto:sales-dept@nal-vonminden.com) or from UK: 01580 232 288 or from Ireland freephone: 1800 555 008



## Reader systems

The nal von minden Rapid Slide Scanner (RSS) series is the ideal tool for simple, fast and objective interpretation of almost all nal von minden rapid tests. Many can be barcoded to facilitate scanning with our RSS systems. Our evaluation systems can analyse and store both drug tests and medical assays in all possible lateral flow test formats. The included software provides the ability to save results externally or export to a custom PDF report.

### Tests that can be evaluated with our reader systems:

- ✓ Drug-Screen Single Dip/Cassette test
- ✓ Drug-Screen Multi-Dip/Cassette test
- ✓ Drug-Screen Urine Cup II/V
- ✓ NADAL® Medical Rapid tests
- ✓ Various matrices: urine, saliva, whole blood/serum/plasma



## Rapid Slide Scanner (RSS) III

Test, interpret, document: Due to flexible test positioning capabilities and intelligent test recognition software, almost all nal von minden rapid tests can be analysed and interpreted with the RSS III. Amongst a wide variety of test formats for both drug and medi-

cal testing, tests in cup format can now also be easily positioned and evaluated. nal von minden also offers a tool for the automatic recognition of barcoded tests, making the Rapid Slide Scanner systems even easier to use. That's drug screening 2.0.

### Advantages

- ✓ Easy to use
- ✓ Free positioning of the test
- ✓ Easy and objective evaluation in seconds
- ✓ Automatic recognition of barcoded tests
- ✓ Software in multiple languages
- ✓ Evaluation of up to 12 parameters simultaneously
- ✓ Individual result reports
- ✓ Individual customer support
- ✓ Barcode scanner (handheld; optional) for patient data entry
- ✓ Connection to LIMS (optional)
- ✓ Data export via Microsoft-Excel™ or CSV (optional)
- ✓ Data import via CSV (optional)
- ✓ Remote support and update with internet connection

Product code*	Product	Pack Size
770066	Rapid Slide Scanner (RSS) III	1 device
770061	Rapid Slide Scanner (RSS) III Cup	1 device
770063	Upgrade kit	1 kit
770010	Import/Export license	1 article
770100	Voucher for 5000 strip analyses	1 article
770015	Barcode scanner	1 device

# Blood Borne Viruses

Intravenous drug use has been identified as a high risk behaviour for the transmission of HIV and hepatitis

## Did you know...

- ...early HIV diagnosis and treatment can reduce infection rates by up to 95%
- ...90% of people with acute hepatitis B recover fully
- ...up to 80% of those infected with hepatitis C don't know they have it

## Benefits of point-of-care testing for blood borne viruses include:

- ✓ Results in minutes
- ✓ Reduced waiting anxiety
- ✓ Reduced lab costs
- ✓ Earlier treatment intervention
- ✓ Earlier transmission awareness
- ✓ Venous or fingerstick blood sampling possible



For more info on our medical rapid tests and POCT-systems download the NADAL® brochure here:

<http://bit.ly/nvm-downloads-en>

Ask us about our  
blood borne virus  
tests today!





## RSS flash

Introducing a mobile, handheld, diagnostic device which delivers objective and precise results in a flash. This robust, lightweight reader is portable and can be used anywhere. It provides clear and easy-to-read results in just 10 seconds, regardless of lighting conditions. You

can reliably interpret results of cup, dip and cassette tests. The visualisation and documentation of the results is taken to a whole new level with instant data capture using our innovative and intuitive software.

### Advantages:

- ✓ Robust, handheld, portable and cable-free
- ✓ Versatile: for use with Drug-Screen and NADAL® medical tests in dip, cup and cassette format
- ✓ Premium high-tech smart device with unlimited storage
- ✓ Highly accurate evaluation in seconds
- ✓ Test interpretation using RSS III Reader software

Product code	Product	Description
770070	RSS flash	Mobile analyser, USB cable, power cable, multifunctional device, user handbook, software download link
770071	RSS flash Cup	Mobile analyser, USB cable, power cable, cup adapter, user handbook, software download link
770073	RSS flash transport case	Practical transport case for reader and accessories
770078	Upgrade kit	Multi-cassette adapter, single
770079	Upgrade kit	Cup adapter, single
770074	Bluetooth printer	RSS flash Thermal printer 5.6 cm
770077	Bluetooth printer	RSS flash Thermal printer 8 cm



## Laboratory Analysis

Our nal von minden Drug-Screen® products are intended for preliminary screening. In situations that may have legal implications or serious medical consequences, it is common practice to perform further laboratory analysis. Here, gas chromatography-mass-spectrometry (GC-MS) or liquid chromatography-mass-spectrometry (LC-MS) are the preferred confirmatory methods. Should you require a laboratory analysis, we will be happy to arrange it for you.

### How it works:

1. You order an analysis with us online, by telephone or by fax.
2. We promptly send you a sample collection kit containing all the information and material needed for sending the sample to the laboratory.
3. After collecting the sample in accordance with the instructions included in the kit, seal it in the pre-addressed envelope provided and send it to the laboratory.
4. Your results will be available within approximately 14 days. For an express analysis, this is reduced to 5 working days. Where a confirmatory analysis must be carried out, this process can be slightly longer.
5. The prepared report is sent (solely to the declared address).

# Laboratory Analysis

## Laboratory Hair Analysis

The detection of drugs and medication through hair analysis gives a much larger detection window than is the case with blood or urine. The consumed substances and their by-products are embedded in hair roots and prevail for a significant time as part of the hair matrix. The precise time frame is dependent on hair length. With an average growth rate of around 1 cm per month, a 12 cm-long hair sample should hold a year's worth of information regarding consumption.

The detection of chronic or excessive alcohol abuse is detectable in hair through the determination of the direct alcohol marker ethylglucuronide (EtG). However, the detection of alcohol consumption in hair is recommended over a 3 month period. Therefore, 2 samples must be taken for an analysis over a 6 month time period, and 4 samples for an entire year.

Parameter	Concentration ng/ml
COC	0.1
AMP	0.1
MOR/OPI	0.1
BZD	0.05
THC	0.02
EtG	>7

## Laboratory Urine Analysis

Do you have a dubious test result? In such cases, it can be useful to reanalyse the sample with an immunological test, or use other methods such as GC-MS to identify and quantify analytes.

Parameter	Concentration ng/ml
AMP	50
BZD	50
COC	30
THC	10
EtG	30
MTD+EDDP	50
MOR/OPI	25

## Laboratory Saliva Analysis

Saliva analysis is an alternative or additional method of forensic drug testing, and is becoming increasingly popular. It remains the most simple and least invasive method of sample collection, therefore making it easier to supervise. The detection of substances in saliva is possible for up to 3 days. When exceeding the following concentrations (see adjacent table), saliva samples will yield a positive result.

Parameter	Concentration ng/ml
AMP	50
BZD	10
COC	20
THC	4
MTD	50
MOR/OPI	40

## Laboratory Analysis: Order information

Order information for hair analysis

Product code*	Product
641101	EVIDENS Polytox (AMP, BZD, THC, COC, MTD, MOR/OPI)
641102	EVIDENS EtG
641103	EVIDENS Polytox +EtG (EtG, AMP, BZD, THC, COC, MTD, MOR/OPI)
641001	FORENSIS AMP
641002	FORENSIS COC
641003	FORENSIS THC
641004	FORENSIS MOR/OPI
641005	FORENSIS BZD
641006	FORENSIS MTD+EDDP
641011	FORENSIS GHB
641013	FORENSIS Spice

Order information for urine analysis

Product code*	Product
642101	EVIDENS Alcohol 4
642102	EVIDENS Alcohol 6
642103	EVIDENS Drugs 4 (AMP, BZD, THC, COC MTD, MOR/OPI 4)
642104	EVIDENS Drugs 6 (AMP, BZD, THC, COC MTD, MOR/OPI 6)
642001 - 642017	FORENSIS AMP, BAR, BUP, BZD, COC, EtG, GHB, HRN/6-MAM, KET, MTD, MOR/OPI, PCP, TIL, TML, TCA, THC
642024	Spice

Order information for saliva analysis

Product code*	Product
643000	Drug screening in saliva (AMP, BZD, COC MET, MOR/OPI, THC)

\*1 test per pack..





## Drug detection in substances and traces

Police, customs officials and prison staff, as well as treatment and addiction centres are playing a game of cat and mouse against the black drug market on a daily basis. To keep the upper hand, authorities and social workers need to know which drug they are dealing with – and furthermore if a particular substance really is illegal in the first place. For this reason, we offer both nal von minden substance tests and the Tracedetect range for the highly specific and sensitive detection of substances. Both test methods are safe and easy to use and offer fast and reliable results. Our substance tests are based on chemical detection methods and are able to pick up intoxicants in unknown substances such as powder, tablets and fluid. Our Tracedetect tests are based on an immunological detection method (the lock-key principle) and enable the specific detection of each substance with especially high sensitivity. In the field of forensics they can aid in the detection of barely visible trace substances on steering wheels, door handles, tabletops and other surfaces.

# ESA Substance Tests

## For the identification of substances by colour change

Police and customs officials often come across suspicious substances, the composition of which is unknown. Our substance tests can examine and identify powder, tablets and liquids by chemical test principle. The handy, one-step test delivers quick and simple reliable results in just a few seconds.

ESA Test GmbH has long been known for its ampoule tests, which enable the detection and identification of drugs. Made in Germany to the highest quality standards, we deliver consistent and reliable products and services.

### Advantages

- ✓ Chemical test principle
- ✓ Easy and safe single-step assay
- ✓ Fast results in just one minute
- ✓ Clear colour indication for easy interpretation
- ✓ Broad range of substances detectable

Show your  
**colours**  
Innovation. Safety. Reliability.



Product code	Product
<b>Ampoule Tests (10 ampoules)</b>	
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 Morphines/Heroin substance tests
311100	ESA Opiates/Amphetamines substance tests
311470	ESA Synthetic Cathinones substance tests
311131	ESA THC/CBD substance tests <b>NEW!</b>
<b>Substance Wipe (10 wipes)</b>	
311270	ESA Cocaine Sweep

# Tracedetect Substance tests

## For the highly-sensitive detection of substance traces

In the case of a drug offence, it can often be useful to investigate the surrounding environment as well as the suspected person. The detection of substances on various surfaces can be a useful tool in aiding investigations. Chemical substance tests require visible amounts of the suspicious substance and allow only a very limited classification of their identity. The nal von minden Drug-Screen® Tracedetect tests are based on the immunolog-

ical detection method, thus following the lock-key principle. Compared to the conventional ampoule tests, the nal von minden Drug-Screen® Tracedetect tests facilitate the particularly sensitive detection of drugs of abuse with high accuracy. They can even easily detect residues on surfaces, including non-visible traces.

### Advantages

- ✓ Ability to confirm ESA test results
- ✓ Exceptionally high sensitivity, including the possible detection of invisible drug traces
- ✓ Sophisticated pocket-sized format
- ✓ Safe and simple to use
- ✓ Supplied with sample collectors for all sample collection methods and incubation bag for harsh weather conditions
- ✓ Fast and reliable results in just 1 minute



Product Code	Product
144352N-10	<b>Tracedetect Multi 5TAK substance test:</b> Detectable parameters: AMP, COC, MET, MOR, THC
144254N-10	<b>Tracedetect Multi 5TAC substance test</b> Detectable parameters: AMP, COC, MDMA, MET, MOR/OPI
144243N-10	<b>Tracedetect Multi 4TD substance test</b> Detectable parameters: ABP, SPC, THC, UR-144
144027N-10	<b>Tracedetect Multi 2TI substance test</b> Detectable parameters: FYL, MOR/OPI
144097N-10	<b>Tracedetect Khat substance test</b> Detectable parameters: CAT, REF

\*10 tests per pack. 25 test pack also available upon request.

**New Parameters available: Cathine, fentanyl and synthetic cannabinoids!**





## Alcohol tests

Alcohol is the most omnipresent drug there is, and therefore one of the most dangerous. We can often ingest alcohol unknowingly by eating sweets, using cosmetic products or even taking medicine. With the nal von minden Drug-Screen® Alcohol-Screen rapid tests you can detect alcohol in saliva and urine simply and safely. Blood alcohol content can be estimated through saliva, due to a strong correlation between saliva and alcohol concentrations in blood. Alcohol in urine is an indirect measurement for the assessment of blood alcohol content. Nevertheless, the most popular way to test for alcohol is via breath. Whatever test format best suits your needs – as the following pages show, you have a variety of high-quality products to choose from.

### Rapid test: Urine

Description	Cut-off	Product code	Pack size
EtG Individual test strips	500 ng/ml	101062	50
EtG Individual cassettes	500 ng/ml	102062	30
EtG + ALC test cassettes	EtG 500 ng/mL, ALC 0.2‰	102060	30

### Alcohol rapid test: Saliva or Urine

Description	Cut-off	Product code	Pack size
Saliva test	0.2 ‰	360006	50
Urine test	0.2 ‰	101036	50

### Alcohol-Screen breath test\*

Description	Product code	Pack size
Breath test (balloon) 0,5 per mille	360010	25
Breath test (without balloon) 0.2 per mille	360034	25
Breath test (without balloon) 0.5 per mille	360035	25
Breath test (balloon) 0.5 per mille	360036	25

\*Many more versions and pack sizes are available. Just contact us!

Production of the breathalyser Dräger 3000 was discontinued. However, if you still need accessories, please contact your sales team.

### Dräger Alcotest® 6820 med

The Dräger Alcotest® 6820 med is a special version designed for diagnostic use. It can, for example, be used for the diagnosis of vascular injuries after prior application of a rinsing solution containing ethanol. It can also be used in emergency rooms or before methadone substitution.

Description*	Product code
Dräger Alcotest® 6820 med	300010
Dräger mouthpieces 6820 med (100 pieces)	300100



### AlcoQuant 6020

This innovative alcohol breathalyser signals a new level of security. The electrochemical sensor only picks up alcohol specifically and, with short measuring intervals and waiting times, allows for several tests to be carried out consecutively. The AlcoQuant 6020 is approved by police services throughout the world.

Description	Product code
AlcoQuant 6020	360011
Calibration Service	300200



\*More accessories and all prices on request



If you would like more information on alcohol rapid tests and testing equipment, don't hesitate to contact us: [sales-dept@nal-vonminden.com](mailto:sales-dept@nal-vonminden.com) or from UK: 01580 232 288 or from Ireland freephone: 1800 555 008

**Interested in  
SSL products?  
Order now!**

# Do you hate waste as much as we do?

**Then short shelf life tests could be ideal for you!**

At nal von minden, stock levels are planned to ensure excellent choice and availability for our customers without accumulating unsold products. However, despite best efforts, sometimes we have surplus stock.

When our tests are nearing their expiry date, they are categorised as short shelf life (SSL) products and made available to our customers at a **discounted rate**. Depending on the test, SSL products may still have up to 10 months shelf life remaining.

## How does it work?

Register your interest in SSL tests with us to receive notifications when tests meeting your criteria become available.

- I am only interested in SSL products that exactly match my usual test format and parameters
- I am interested in SSL substitutions  
(A different test format or additional parameter)

I am interested in tests with the following names/parameters:

---



---

Name:

Company:

Address:

E-mail:

Phone:

I would like to be informed by:

- E-mail
- Telephone

Alternatively, you can enquire about the availability of SSL products when placing your order with us.





## Quality management and service

It is our aim to establish ourselves as the most reliable business partner in the field. For this reason, excellent customer service and engagement are the cornerstones of our company philosophy. As your long-term partner, we offer a comprehensive service from the first consultation through to product delivery and beyond. We will work together with you to find individual solutions. We don't just want to satisfy your needs, we want to inspire you.

### Quality assurance

Our quality management system has been EN ISO 13485 and ISO 9001-certified since 2003, and is reviewed by TÜV Rheinland on a yearly basis. Internal audits, an extensive process map and a corrective-and-preventative system help us to maintain the highest standards.

### Proficiency testing

We take part in proficiency tests regularly and with great success. Our experience has been documented in a small information brochure, available on request.

# Our range of services

## Consultation

Our team, which includes highly trained medical product consultants, is always available. Competent and knowledgeable consultation is a cornerstone of our services - whether by phone, through our homepage or via a face-to-face meeting with one of our field consultants.

## Delivery

### Rapid tests

All orders received before 12:30pm will be delivered within 2-3 working days (unless otherwise advised by your sales consultant).

### Laboratory reagents

For goods that we have in stock, the delivery time takes 2-3 days. For laboratory tests that are not in stock, the delivery time is 5-10 days.

## Enquiries and Orders

### Ordering through our online shop

Tests can also easily be ordered through our webpage. Simply place your required tests in the basket and send an enquiry along with your contact details. You will then be sent an email with your username and password for your next visit to our online shop.

### Ordering by phone or fax:

Our team are available for you on the following numbers:  
 From UK: 01580 232 288  
 or freephone: 0808 234 1237  
 From Ireland freephone: 1800 555 008

### Ordering by email:

To order by email, please contact us on:  
[sales-dept@nal-vonminden.com](mailto:sales-dept@nal-vonminden.com)

## Benefits of registering

Signing up to our online shop gives you the opportunity to save your previously bought products as a basis for future orders. Following your first order we would be happy to activate your account. This allows you to send us your product list for a quote or order using your previous prices.

## Guarantee

### Quality and service

Our Quality management System is certified according to DIN EN ISO 9001 and DIN EN ISO 13485. We can therefore always guarantee 100% service and that work will be undertaken at the highest level of professionalism.



## External Quality Management



INSTAND



## Data Protection

Your personal data will not be passed on to any third parties, but is kept solely for internal use by nal von minden.

## General terms and conditions

Terms and conditions can be found on our homepage [www.nal-vonminden.com](http://www.nal-vonminden.com)



## 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

Bezplatny tel.: .....00800 4911595

Bezplatny 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

ventas@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**