

new art laboratories



nal von minden

Alcohol tests

Breath, saliva and urine rapid tests
Breathalysers for professional use

Rapid Tests

Laboratory Diagnostics

Laboratory Service

Consulting & Service



nal von minden Alcohol tests

As the most ubiquitous and most underestimated drug there is, alcohol can also be considered the most dangerous. Alcohol can be an unexpected component in many everyday products. It is often unknowingly ingested during the consumption of certain foods, medications and even the use of cosmetics. Using the nal von minden alcohol tests, alcohol can be detected in breath, saliva and urine

samples. Even measurements suitable for use by police can be obtained using our professional breathalyser, and our laboratory analyses deliver legally sound results.

In line with our motto 'We help you care!', we have the right test for you — whatever your needs may be.



Alcohol rapid tests

Analysis of urine, saliva and breath samples

Road traffic control, custody battles, employment law, medical examinations, addiction therapy and transplantation medicine: Alcohol markers play a key role in various contexts, can even alter the course of a person's life.

For this reason, a high degree of attentiveness is required in its detection. The nal von minden Drug-Screen® Alcohol rapid tests are your first step in this process.

Advantages

- ✓ Results within minutes
- ✓ Simple and hygienic test procedure
- ✓ Fast and reliable results
- ✓ Various multi-test combinations available for the simultaneous evaluation of numerous parameters
- ✓ In conformity with DIN EN ISO 15189 for medical laboratories, our rapid tests are available barcoded for use in reader-based evaluations
- ✓ Traffic control and customs

Detection of alcohol (ALC)

The direct detection of alcohol (ALC) is a reliable method of establishing alcohol consumption. Those who don't have a breathalyser to hand can make use of a fast and simple alcohol rapid test which is suitable for use with urine, saliva and breath (with or without balloon) samples.

Our alcohol rapid tests detect acute intoxication — anything above 0.2 ‰. Depending on individual factors and the quantity consumed, alcohol can be detected in urine, saliva and breath samples for up to 12 hours.

Alcohol rapid test: Saliva or urine

Description	Cut-off	Product code	Tests per pack
Saliva test	0.2 ‰	360006	50
Urine test	0.2 ‰	101036	50

Alcohol screening breath test*

Description	Product code	Tests per pack
Breath test with balloon 0.2 ‰	360010	25
Breath test without balloon 0.2 ‰	360034	25
Breath test without balloon 0.5 ‰	360035	25
Breath test with balloon 0.5 ‰	360036	25

*Several further versions and pack sizes are available. Don't hesitate to contact us!

Have you heard about our EtG-ALC combi-tests for the simultaneous detection of ethyl glucuronide and alcohol, as well as the differentiation between current intoxication and recent consumption? Interested? Don't hesitate to get in touch!



Advantages

- ✓ Easy to use
- ✓ Fast results in just 5-10 minutes
- ✓ Minimum 11 month shelf life
- ✓ Can be integrated into multi-test combinations
- ✓ In conformity with DIN EN ISO 15189 for medical laboratories, our rapid tests are available barcoded for use in reader-based evaluations

Drug-Screen EtG + ALC Test

Product	Format	Sample	Cut-off	Product code	Pack size
Drug-Screen EtG + ALC Test	Test cassette	Urine	EtG 500 ng/mL, ALC 0.2‰	102060	30

Detection of ethyl glucuronide (EtG)

The nal von minden Drug-Screen® Ethyl glucuronide rapid test enables the qualitative detection of the direct, alcohol-specific biomarker EtG in human urine, with a cut-off of 500 ng/mL. In contrast to the detection of alcohol itself (which relies on its acute presence), or indirect biomarkers that only signal long-term excessive alcohol consumption, EtG covers the detection window in between. It is an excellent aid for the introduction or monitoring of treatment measures, but is also suitable for use in forensics.

The EtG rapid test is an *in-vitro* diagnostic tool intended for professional use. Depending on environmental factors specific to the individual, EtG can be detected for an average of 1-4 days following the consumption of alcohol, which is longer than alcohol itself can be traced in urine. Our EtG rapid tests are available as test strips for immersion in urine samples, as well as test cassettes with pipettes provided. Both test formats are evaluated by comparing the colour intensity of the test line with the examples on the evaluation card.

Advantages

- ✓ Qualitative immunoassay
- ✓ Detection window: 1-4 days
- ✓ Easy to use
- ✓ Fast results in just 5-10 minutes
- ✓ Minimum 11 month shelf life
- ✓ In conformity with DIN EN ISO 15189 for medical laboratories, our rapid tests are available barcoded for use in reader-based evaluations

Note:

The evaluation cards are batch-specific and must be replaced with each new one.



EtG

Rapid test for the detection of ethyl glucuronide in urine

Product	Format	Sample material	Cut-off	Product code	Pack size
Drug Screen EtG	Test strips	Urine	500 ng/mL	101062	50
Drug Screen EtG	Test cassette	Urine	500 ng/mL	102062	30



Breathalyzers

Police officers in numerous countries throughout Europe use our breathalyzers as part of traffic control. They are also suitable for use by justice authorities,

clinics, pharmacies, companies, clubs and doctors' offices. Our alcohol breath tests are easy to use and of the highest quality, delivering reliable results in just a few seconds.



AlcoQuant 6020

This innovative breathalyser sets standards when it comes to safety. The electrochemical sensor targets alcohol, and short testing times mean that multiple tests can easily be

carried out in succession. The use of the AlcoQuant 6020 by police authorities across the world is testament to its reliability.



Advantages

- ✓ Highly precise electrochemical sensor
- ✓ Simple, 3-button operation
- ✓ Large, back-lit display
- ✓ Four-digit result display
- ✓ Streamlined design, lightweight and easy to handle
- ✓ Modern look
- ✓ Secure data transfer
- ✓ Hygienic

Technical data:

- Measurement range: 0.00 to 5.50 ‰
- Accuracy: +/- 5 % at 1.00 ‰
- Evaluation time: Results within seconds
- Battery life: More than 1600 tests
- Dimensions: 190 mm x 61 mm x 38 mm
- Weight: 275 g incl. batteries
- Calibration: Recommended every 6-12 months
- No calibration constraint

Kit contents:

- 1x AlcoQuant 6020
- 25 mouthpieces
- 4 batteries
- 1 carry case
- User manual

Product*	Product code
AlcoQuant 6020	360011
100 mouthpieces	360012
Calibration service	300200

*Additional accessories and all pricing available upon request

ALCOSCAN II (Basic plus)

The ALCOSCAN II (Basic plus) is a digital breathalyser which uses the alcohol concentration in breath samples to calculate the blood alcohol concentration. With its high

degree of accuracy, the electrochemical sensor is on par with professional devices and comes at an attractive price.



Advantages

- ✓ Highly precise electrochemical sensor
- ✓ Simple, 3-button operation
- ✓ Large, back-lit display
- ✓ Streamlined design, lightweight and easy to handle
- ✓ A cost-efficient alternative amongst devices with electrochemical sensors
- ✓ Maximum precision, short testing time
- ✓ Storage card
- ✓ Warning signal for insufficient breath sample

Technical data:

- Measurement range: 0.00 to 4.00 ‰
- Accuracy: +/- 0.5 ‰ at 1.0 ‰
- Evaluation time: 10 seconds at 1 ‰
- Battery life: 1500 tests
- Dimensions: 106 mm x 50 mm x 20 mm
- Weight: 100 g incl. battery
- Calibration: Every 6 months or after 500 tests

Kit contents:

- ALCOSCAN II breathalyser
- 5 mouthpieces
- 2 AAA batteries
- Belt bag
- Robust plastic carry case
- User manual in English & German

Product*	Product code
ALCOSCAN II Basic plus breathalyser	360014
50 mouthpieces	360009
Calibration service	300200

*Additional accessories and all pricing available upon request

Dräger Alcotest® 6820 med

The Dräger Alcotest® 6820 med is specially tailored for use in diagnostics. For example, it may be used for the diagnosis of vascular injuries following the application

of an ethanol-based rinsing solution. It is also suitable for use in emergency situations or as part of methadone substitution programmes.



Advantages

- ✓ CE-certified in accordance with EU guideline 93/42/EEG for medical products
- ✓ Easy to use, short reaction time
- ✓ Minimal standard deviation
- ✓ Hygienic — thanks to mouthpieces with a rebreathing lock, the subject's lips do not come into contact with the breathalyser
- ✓ Can be used even if subject is unconscious
- ✓ Increased storage capacity, logs up to 2000 test results

Technical data:

- Measurement range: 0 to 2.5 mg/L
- Accuracy: 0 to 0.5 mg/L: ± 0.008 mg/L
- Evaluation time: Results within a few seconds
- Dimensions: 65 mm x 147 mm x 39 mm
- Weight: 260 g incl. battery
- Calibration: Every 6 months or after 500 tests

Kit contents:

- ACE® ALP-1 med breathalyser
- 5 mouthpieces
- 2 AA batteries
- 1 CD-ROM with user manual MAX30 CD
- USB data cable
- Carry case
- Quickstart guide

Product*	Product code
Dräger Alcotest® 6820 med	300600

*Additional accessories and all pricing available upon request

ACE ALP-1 med

The ACE ALP-1 med is also medically certified. As it is versatile and of high quality, it is suitable for use by both authorities and those working in clinical settings such as hospitals, ambulances or doctors' practices.



Advantages

- ✓ CE-certified in accordance with EU guideline 93/42/EEG for medical products
- ✓ High quality, accuracy and versatility
- ✓ Comprehensive software menu, optional printer (available separately), PC software for test result evaluation
- ✓ Mouthpiece attachable at both ends

Technical data:

- Measurement range: 0.0-5.0 ‰
- Accuracy: ± 0.05 ‰
- Evaluation time: 10 seconds at 1 ‰
- Storage capacity: 500 results
- Dimensions: 133 x 64 x 33 mm
- Weight: 198 g incl. batteries
- Calibration: Every 6 months

Kit contents:

- ACE® ALP-1 med breathalyser
- 5 mouthpieces
- 2 AA batteries
- 1 CD-ROM with user manual MAX30 CD
- USB data cable
- Carry case
- Quickstart guide

Name*	Product code
ACE® ALP-1 med	360064

*Additional accessories and all pricing available upon request



Our range also contains further breathalysers.
Get in touch with us on: +49 (0)941 29010-0



Laboratory Analysis

Our nal von minden Drug-Screen® products are intended for use in pre-screenings. In situations with legal implications, or with potentially serious medical consequences, it is the norm for further laboratory analyses to be carried out.

In such cases, gas chromatography–mass spectrometry (GC-MS) or liquid chromatography–mass spectrometry (LC-MS) are the preferred methods. Should you require a laboratory analysis, we would be happy to arrange this for you.

How it works:

1. You can order an analysis through us online, or by telephone or fax.
2. We send you a sampling kit with all the information and materials you'll need for sending your sample to the lab.
3. Once the sample has been collected in accordance with the kit's instructions, you seal it in the pre-addressed envelope and send it to the laboratory.
4. Your results will be available within approximately 14 days, or within 5 working days for an express analysis.
5. The evaluation will be sent to you at the address provided.

Description	Product code
Laboratory analysis EtG	640107



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