

new art laboratories



NADAL®
Medical rapid
tests

Diagnostic aids for sexual health

Vital parameters for preventative
examinations and screenings

- Drug rapid tests
- Medical rapid tests**
- Laboratory diagnostics
- Laboratory services
- Consultation & service



nal von minden GmbH

Your specialist in high-quality and cost-efficient medical diagnostics!

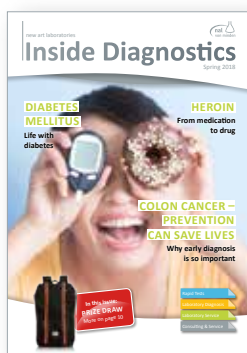
We help you care!

For over 35 years, innovative products and excellent customer service has been the cornerstone of our enterprise. Through close collaboration with you, we have been able to optimise our portfolio and keep up to date with ongoing developments within the health market. We endeavour to remain the most innovative option and your first choice for all questions on the topic

of medical rapid tests. We don't just want to satisfy you, we want to inspire you! Our current portfolio contains tests for use in the fields of paediatrics, gynaecology, haematology, cardiology, oncology and urology, as well as bacteriology, immunology, infectious diseases, serology and toxicology.

Inside Diagnostics - Your customer magazine

Three times a year we bring you fascinating articles on current topics, detailed background information and news from the world of diagnostics, as well as a brief update from the company.



Dear caregiver,

Even in today's modern society, sexually transmitted infections (STIs) remain a taboo subject, despite the fact that just about anyone can be affected by them. STIs include not only the more well-known infections, but also those which are not typically associated with sexual transmission, such as hepatitis B and C. For this reason, the topic is more far-reaching than it first appears. Sexual health affects our physical, emotional, mental and social well-being. Whereas on the one hand, prerequisites for good sexual health require respect for a person's sexual rights, as well as an essentially positive approach to the subject, it is also necessary to have a good sense of responsibility and be informed of the health risks associated with STIs. It is thus important to deal with the topic of sexual health both openly and honestly - only then can the recurrence and spread of STIs be prevented. Many people are unaware that they even have an STI, whereas others shy away from making a doctors appointment.

Tests that are easy to carry out and which provide results within minutes can work wonders here, especially in providing clarity and enabling measures to be taken immediately.

NADAL® – always the right test!

In line with our motto "We help you care!", the following pages contain a selection of important diagnostic aids in the field of **sexual health**. It is our aim to support specialists across numerous disciplines - not only in the case of diagnosis, but also prevention. Both our **NADAL®** product brochure and website www.nal-vonminden.com offer you a range of **medical rapid tests** for a number of specialised fields.

Take advantage of the opportunity! Request a personal quote as well as free test samples by contacting us on freephone 0808 234 1237 (UK)/1800 555 008 (IRE) or emailing us at sales-dept@nal-vonminden.com.

We help you care! - with outstanding product quality, an excellent price-performance ratio, a personal consultant and streamlined service.

See for yourself! We look forward to working with you!

nal von minden GmbH



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

Sexual health: more than just STIs.

Overview of important parameters.

It has been more than 50 years since the sexual revolution, which saw an end to the suppression of sexuality and everything it stood for. We have since come a long way, though the goal is yet to be reached. The delicate topic of sexual health is still largely excluded from the public sphere.

The potential consequences are serious: infertility, cancer, miscarriage or the vertical transmission of infections from mother to child. Sexual health is of fundamental importance and needs to be brought back into public awareness in the face of rising infection rates worldwide. According to World Health Organisation estimates, more than 1 million new cases of sexually-transmitted infections occur each day worldwide. This is particularly alarming with regard to antibiotic-resistant

syphilis, chlamydia and gonorrhoea. What's worse, it can be the case that the person carrying the pathogens may not even experience any symptoms themselves.

We would like to contribute to providing a resolution. Above all, it is important to us to provide fast and clear results to you and your patients, as well as to simplify daily work at your practice. Knowing that results can be obtained on the spot increases the likelihood that individuals will consult a doctor about their concerns, and it is for this reason that we would like to present our range of medical rapid tests. On the following pages, you can discover our extensive product portfolio! An overview of all products and their billing codes can be found on the back page.

Candida albicans

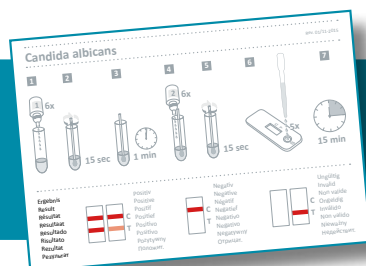
Approximately 75% of women experience a 'yeast infection' at least once in their lifetime, which is a genital or vulvo-vaginal candidiasis caused by the fungus known as *Candida albicans*. Symptoms such as discharge, itching, burning, pain during urination or sexual intercourse and reddening around the vagina can be very unpleasant, and it is important to get the right treatment. However,

a diagnosis is required first. A rapid test can provide this in next to no time. Alternative means of diagnosis, such as culture methods or the use of a microscope, are time-consuming and can only be carried out by professional lab personnel. In contrast, the NADAL® *Candida albicans* rapid test delivers results within just a few minutes.

NADAL® *Candida albicans* test cassette

For the qualitative detection of *Candida albicans*

- Sample material:** Vaginal secretion
- Test time:** 15 minutes
- Sensitivity:** 97.3 %
- Specificity:** 94.5 %
- Product code:** 1120003N-20



**Itching and burning in the genital area?
Reddening of the affected area?**
Secure the best possible therapy through a reliable diagnosis!
Detect a yeast infection within just 15 minutes!

Chlamydia

According to the WHO, infections of the genitourinary tract caused by *C. trachomatis* are the second most-common sexually transmitted condition worldwide. The reason behind its high prevalence and transmission rate is the fact that chlamydia infections are often asymptomatic. 7 out of 10 women infected show no symptoms, as is the case for 5 out of 10 men. Should noticeable symptoms occur, these are very

similar to those for gonorrhoea. Only a test can provide clarity in such cases. In comparison to expensive alternative methods, a rapid test delivers a qualitative result within just a few minutes. The NADAL® Chlamydia plus Test also has the advantage of being equipped with a transport tube, meaning sample collection need not take place at the same location as testing.

NADAL® Chlamydia test cassette (CE0197)

For the qualitative detection of *Chlamydia trachomatis*

Sample material: Cervical swab (females);
Urethral swab & urine (males)

Test time: 10 minutes

Sensitivity: 92.6 %

Specificity: 95.2 %

Product code: 212007



NADAL® Chlamydia plus test cassette (CE0197)

A useful transport tube is provided alongside the included swab for the qualitative detection of *Chlamydia trachomatis*

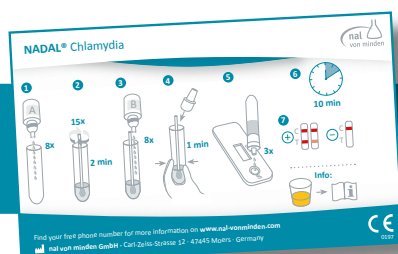
Sample material: Cervical swab (females);
Urethral swab & urine (males)

Test time: 10 minutes

Sensitivity: 92.6 %

Specificity: 95.2 %

Product code: 212011



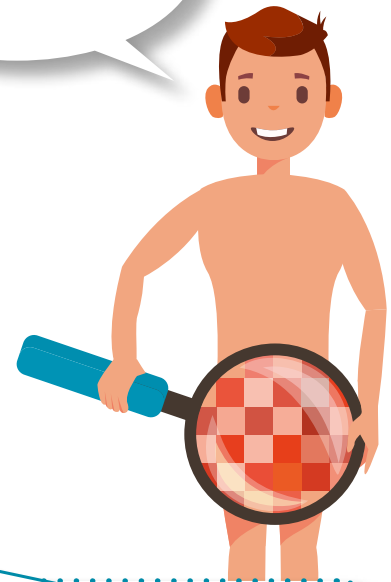
A chlamydia infection or gonorrhoea?

What kind of antibiotic treatment is suitable?
Diagnosis in just 10 minutes!

Gonorrhoea

One symptom of gonorrhoea observed in men is that of a morning discharge from the penis which is both uncomfortable and purulent. Triggers are so-called 'gonococcal' bacteria, which mostly affect the mucous membranes in the urinary tract and genital organs, as well as the conjunctiva, the intestines and the throat. Overall, the symptoms are comparable to those that occur with a chlamydia infection, though the two conditions require differing treatments. In the case of chlamydia, a 10-day course of antibiotics is required, whereas a single dose is sufficient for treating gonorrhoea. Regardless of the presence of acute symptoms, the CDC (Centers for Disease Control and Prevention) recommends that sexually active women under 25, as well as homosexuals and those who have new sexual partners, get themselves tested at least once a year.

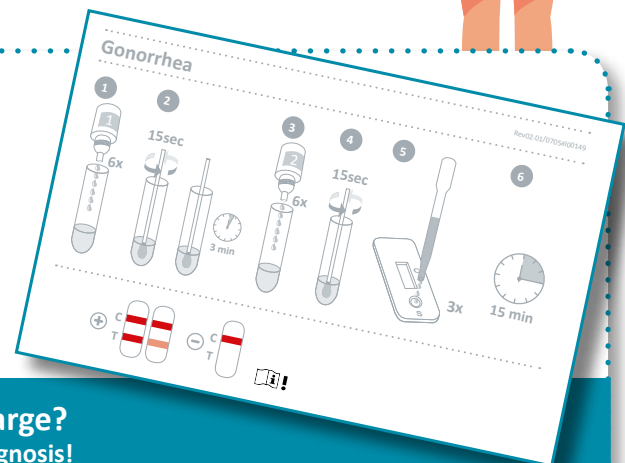
Once diagnosed, gonorrhoea can be quickly and easily treated using penicillin.



NADAL® Gonorrhoea test cassette

For the qualitative detection of gonorrhoea antigens

Sample material: Cervical and urethral swab
Test time: 15 minutes
Sensitivity: 92.7 %
Specificity: 96.7 %
Product code: 611005N-10



Abdominal pain? Fever? Discharge?
Prevent infertility by getting an early diagnosis!
Diagnosis in just 15 minutes!

Hepatitis

The global NOhep movement - comprising government authorities, medical professionals and patients - has dedicated itself to eliminating hepatitis by the year 2030. All forms of hepatitis (A, B and C) are ultimately treatable - the challenge lies in diagnosing them. Millions of people are living unaware that they carry a potentially deadly liver disease, as the symptoms – such as in the case of hepatitis C – only become apparent

decades after infection occurs. It is for this reason that the World Hepatitis Alliance, which initiated the NOhep movement, operates under the motto “Find the missing millions” in the campaign for education and increased testing rates. As part of our rapid test range, nal von minden offers the perfect tools for the diagnosis of hepatitis A, B and C.

Hepatitis A

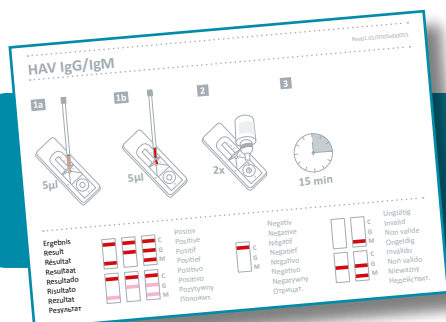
Faecal-oral transmission, contaminated water, close contact with infected persons, drug misuse: infection with hepatitis A can occur through many different routes. Following an incubation period of 15-50 days, there is a rapid onset of symptoms including nausea, vomiting, diarrhoea, darkened urine, jaundice, fever, headaches, weight loss and stomach pains. Anti-HAV-IgM will be detectable either before or during the onset of symptoms, decreasing again within approximately

3 to 6 months. Anti-HAV-IgG appear shortly afterwards, and remain for years in the body, providing lifelong immunity. The presence of anti-HAV-IgG, and the absence of anti-HAV-IgM, can thus be used to differentiate between a past and acute infection. With high specificity and sensitivity, the NADAL® HAV IgG/IgM Test does just that.

NADAL® HAV IgG/IgM test cassette

For the simultaneous detection and differentiation of anti-hepatitis A virus IgG and IgM

- Sample material:** Whole blood, serum, plasma
- Test time:** 15 minutes
- Sensitivity:** >99 % (IgM) / 98.7 % (IgG)
- Specificity:** >99 % (IgM) / >99 % (IgG)
- Product code:** 622070N-30



Experiencing fatigue, gastrointestinal discomfort or stomach pains following a trip to the tropics?
Potential hepatitis A infection?
Diagnosis in just 15 minutes!

Hepatitis B

Cirrhosis of the liver, liver cancer and liver failure: an infection with hepatitis B can be life-threatening, as well as contagious. Approximately 260 million people are affected across the world, with 20 million new acute cases of infection occurring annually. Almost one million HBV-infected individuals die every year as a result of the disease. However, 90% of all those with acute hepatitis B

recover completely, provided they are diagnosed quickly. The benefit of both INFO® Hepatitis B tests is that they can be carried out using blood taken directly from the fingertip, allowing an existing immunity against hepatitis B to be established quickly. Such a test is very useful, for example, following a needle-stick incident, as immunisation against hepatitis B can then be administered immediately.

INFO® anti-HBs (HBsAb) test cassette (CE1434)

Can be carried out using fingertip blood
For the qualitative detection of antibodies against hepatitis B surface-antibodies (HBsAb)

Sample material: Whole blood, serum, plasma
Test time: 15 minutes
Sensitivity: 100 %
Specificity: 100 %
Product code: 622008



INFO® HBsAg test cassette (CE1434)

Can be carried out using fingertip blood
For the qualitative detection of hepatitis B surface-antigens (HBsAg)

Sample material: Whole blood, serum, plasma
Test time: 15 minutes
Sensitivity: 100 %
Specificity: 100 %
Product code: 622009



**Raised liver function readings? Raised GPT (glutamate-pyruvate transaminase) levels? HBV infection? Chronic or acute?
Diagnosis in just 15 minutes!**

Hepatitis C

This virus has earned the title 'the silent epidemic', since approximately 80% of those infected exhibit no symptoms, making a diagnosis nigh on impossible. Hepatitis C only becomes apparent decades later, when secondary or serious liver damage has already occurred. In up to 30% of cases, the infection goes completely unnoticed,

as a strong immune system is able to eliminate the virus in the body. Even with chronic infections, 95% of cases see a complete recovery. A test is thus recommended - a negative result for anti-HCV rules out an infection in the last 3 months.

INFO® anti-HCV (HCVab) test cassette(CE1434)

Can be carried out using fingertip blood

For the qualitative detection of antibodies against HCV antigens

Sample material: Whole blood, serum, plasma

Test time: 15 minutes

Sensitivity: 100 %

Specificity: 100 %

Product code: 622012



**Increased tiredness, pain in the upper abdomen,
reduced performance capacity?**

Ensure the best possible therapy through a prompt diagnosis!

Diagnosis in 15-20 minutes!

HIV

In the case of HIV, a quick diagnosis is of particular importance. The initiation of prompt treatment can reduce the rate of infection by up to 95%, as well as markedly improve the life quality of the patient.* It can also prevent further cases of contamination. For patients with trichomoniasis, it is worth getting tested regularly for HIV, as the lesions that are symptomatic of the disease carry a much-increased risk

of transmission. HIV and syphilis are also closely linked. The latter often occurs as a so-called co-infection along with HIV. Candidiasis infections often occur as a result of associated immunosuppression. A diagnosis with HIV is just the beginning of a series of diagnoses, which can be made more comfortable, reliable, and cost-efficient through the use of rapid tests.

INFO® anti-HIV 1/2 test cassette (CE1434)

Can be carried out using blood taken directly from the fingertip
For the detection of antibodies (IgG, IgA and IgM) generated against all subtypes of Human Immunodeficiency Virus Type 1 (HIV-1) and Type 2 (HIV-2) in human whole blood, serum or plasma

Sample material: Whole blood, serum, plasma
Test time: 15 minutes
Sensitivity: 100 %
Specificity: 100 %
Product code: 452007



**One in seven individuals who are HIV-positive
do not even know they are infected.****

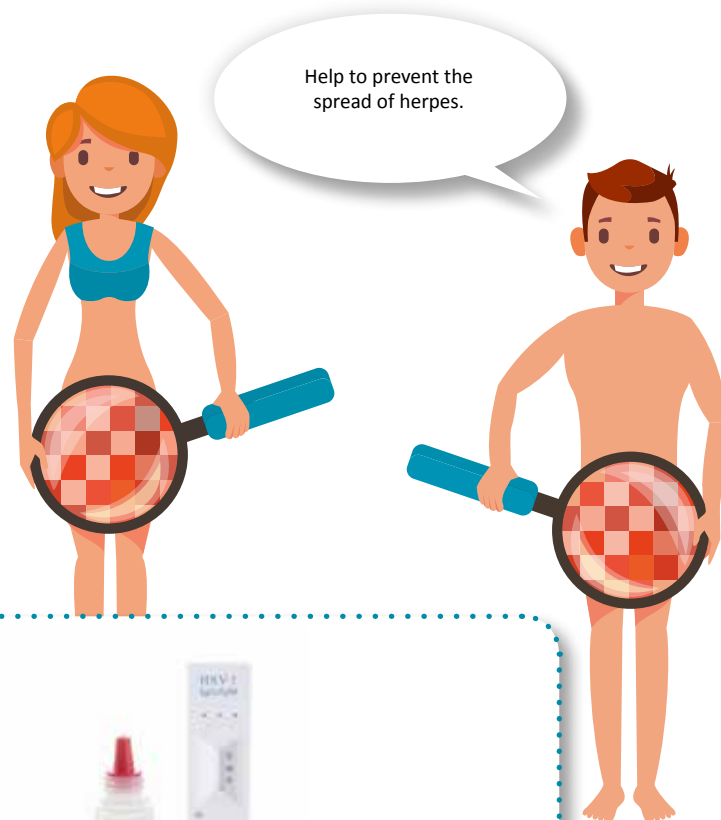
A prompt diagnosis reduces the infection rate by up to 95%! Results in 15-20 minutes!

*Source: <http://www.medwiser.org/hiv-testing/>

**Source: RKI Epidemiological Bulletin 23. November 2017 / Nr. 47

Herpes

Herpes has an extremely high prevalence rate. Once infected, the individual remains a carrier for life. Stress or immunosuppression can cause repeated, chronic flare ups. Unfortunately, only symptomatic treatment is possible. Depending on the kind of HS-virus, complaints in the form of blisters or pustules (pus-filled bumps) in or around the mouth (HSV-1) or in the genital area (HSV-2) can occur. Both versions, whether chronic or acute, can be detected by the NADAL® HSV rapid tests within 10 minutes.



NADAL® HSV 1 IgG/IgM test cassette

For the simultaneous detection and differentiation of anti-Herpes-simplex-Virus 1-IgG and -IgM

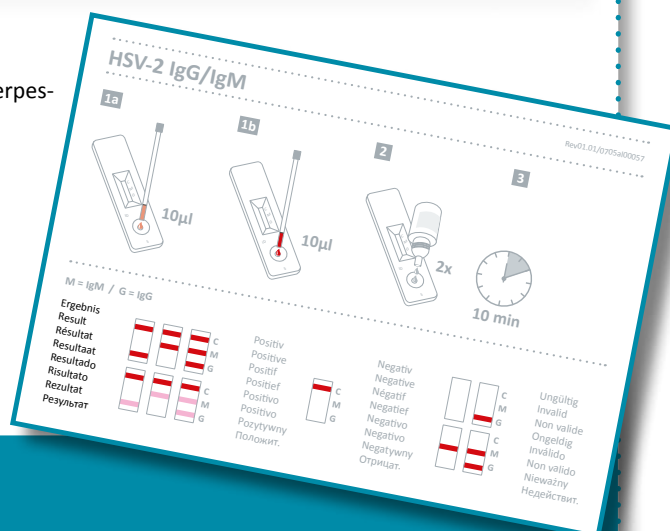
Sample material: Whole blood, serum, plasma
Test time: 10 minutes
Sensitivity: 90.6 %
Specificity: 91.4 %
Product code: 1130002N-30



NADAL® HSV 2 IgG/IgM test cassette

For the simultaneous detection and differentiation of anti-Herpes-simplex-Virus 2-IgG and -IgM

Sample material: Whole blood, serum, plasma
Test time: 10 minutes
Sensitivity: 93.8 %
Specificity: 96 %
Product code: 1130003N-30



**Itching but (still) no blisters
 – suspected herpes?
 Primary or already chronic infection?
 Diagnosis in just 10 minutes!**

pH-Levels

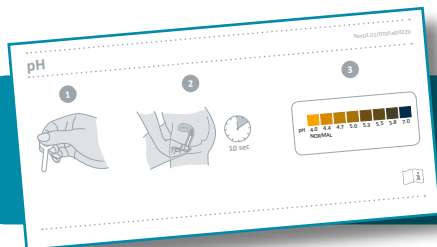
The consumption of antibiotics, tampons being left in for too long, sperm, barrier contraceptive methods, diets and aggravating soaps - there are many factors that can influence and damage the vagina's pH levels. However, a healthy vaginal flora is the most effective prophylaxis against pathological germs, and so against STIs.

There are approximately 2 billion beneficial lactobacilli in 1 mm³ of vaginal epithelium. As these numbers drop, so too does the level of natural protection. For this reason, a regular check of vaginal pH-levels is recommended. This is especially true in relation to pregnancy, during which time it should be checked at least once per week.

NADAL® pH Test

For the measurement of the pH-values in vaginal secretions

Test time:	10 seconds
Sensitivity:	>99 %
Specificity:	86.4 %
Product code.:	194002

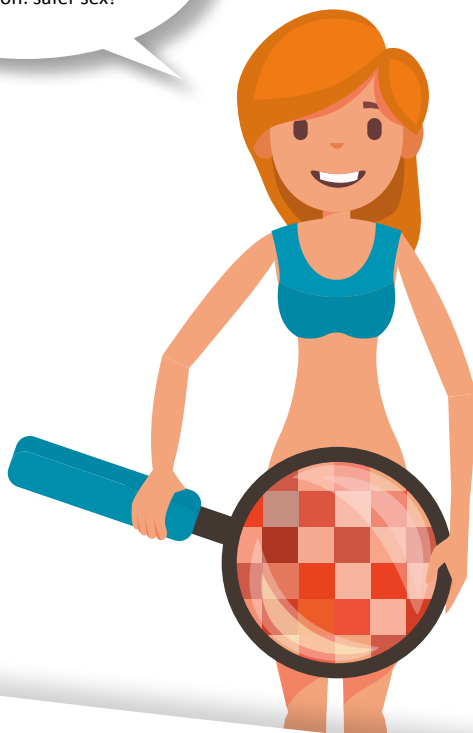


Problems in intimate areas?

Perhaps the vaginal pH is out of balance!

A check up takes just 10 seconds!

Syphilis is highly infectious: a single bacterium is enough to pass on the infection. The best protection: safer sex!



Syphilis (Lues)

A syphilis infection can often only be diagnosed with the help of VDRL tests (Venereal Disease Research Laboratory), which detect anti-lipoidal antibodies. These antibodies form not only with syphilis infections, but also with pregnancies, liver diseases and so-called 'collagenosis'. The NADAL® Syphilis Test, which detects specific antibodies against *T. pallidum* syphilis pathogens, delivers fast and conclusive results. This is particularly important for pregnant women, who stand the risk of passing the infection on to their unborn child. For this reason, the CDC recommends all pregnant women are tested.

NADAL® Syphilis test strips

Can be carried out using blood taken directly from the fingertip
For the qualitative detection of IgM and IgG antibodies against *T. pallidum*

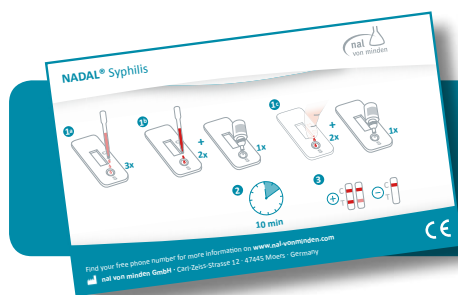
Sample material: Whole blood, serum, plasma
Test time: 10 minutes
Sensitivity: 99.6 %
Specificity: 99.1 %
Product code: 203001



NADAL® Syphilis test cassette

Can be carried out using blood taken directly from the fingertip
For the qualitative detection of IgM and IgG antibodies against *T. pallidum*

Sample material: Whole blood, serum, plasma
Test time: 10 minutes
Sensitivity: 99.6 %
Specificity: 99.1 %
Product code: 203002



Skin rash, fever, hair loss?
Suspected syphilis infection? Secure the best possible therapy through an early diagnosis! Results in only 10 minutes!

Toxoplasma

This infectious disease often only causes mild, flu-like symptoms - or none at all! A fast diagnosis is thus particularly important in order to identify an acute infection and avoid serious complications by initiating suitable treatment. The risk is particularly high amongst pregnant women, where infection with toxoplasma

can cause serious damage to the unborn child in the form of, for example, chorioretinal inflammation, developmental problems or seizures. The RightSign® Toxoplasma IgM Test is a simple, cost-efficient method of targeted pathogen detection allowing the prompt initiation of treatment.

RightSign® Toxoplasma IgM test cassette (CE0123)

For the qualitative detection of anti-*T. gondii*-IgM

Sample material: Serum, plasma
Test time: 15 minutes
Sensitivity: 95.4 %
Specificity: 98.8 %
Product code: 1670501

Suspected toxoplasma infection?

Contact with cat faeces followed by flu-like symptoms? Diagnosis in just 15 minutes!

Trichomonas vaginalis

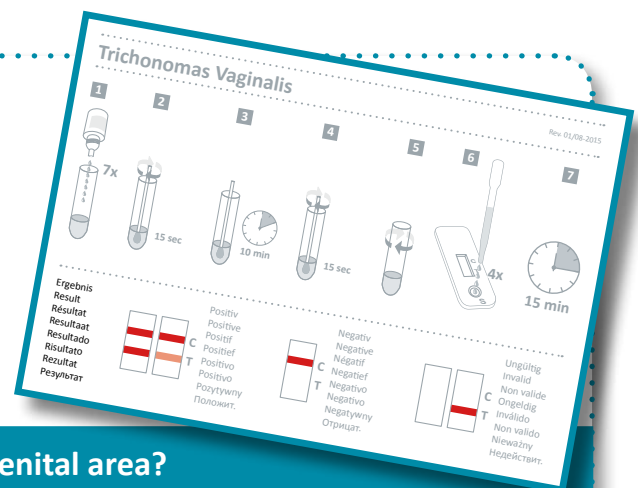
Trichomonas infections can often be asymptomatic. However, left untreated it can lead to inflammation that causes infertility. Signs such as unusual discharge or itching can indicate trichomoniasis and should be taken seriously. The benefit of using a NADAL® Trichomonas vaginalis test cassette for detecting such an infection is that only vaginal secretion is required as a

sample, as opposed to much more difficult smears obtained from the cervical canal. It provides a comfortable and precise way to differentiate *Trichomonas vaginalis* from other genitourinary infections.

NADAL® Trichomonas vaginalis test cassette

For the qualitative detection of *Trichomonas vaginalis*

Sample material: Vaginal secretion
Test time: 15 minutes
Sensitivity: 91.3 %
Specificity: 97.3 %
Product code: 840003N-10



Discharge, itching, discomfort in the genital area?
Clear differentiation from other genitourinary infections in just 15 minutes!

Order now
by phone
or email!

Order form*

Product	Sample material	Test time	Product code	Pack size	Quantity
NADAL® Candida albicans test cassette	Vaginal secretion	15 min	1120003N-20	20	
NADAL® Chlamydia test cassette (CE0197)	Cervical swab (females)Urethral swab & urine (males)	10 min	212007	20	
NADAL® Chlamydia plus test cassette (CE0197)	Cervical swab (females)Urethral swab & urine (males)	10 min	212011	20	
NADAL® Gonorrhoea test cassette	Cervical & urethral swab	15 min	611005N-10	10	
NADAL® HAV IgG/IgM test cassette	Whole blood, serum, plasma	15 min	622070N-30	30	
INFO® anti-HBs (HBsAb) test cassette (CE1434)	Whole blood, serum, plasma	15 min	622008	25	
INFO® HBsAg Test cassette (CE1434)	Whole blood, serum, plasma	15 min	622009	25	
OraQuick® HCV test cassette (CE0543)	Oral fluid, whole blood, serum, plasma	20 min	622021	25	
INFO® anti-HCV (HCVab) test cassette (CE1434)	Whole blood, serum, plasma	15 min	622012	25	
INFO® anti-HIV 1/2 test cassette (CE1434)	Whole blood, serum, plasma	15 min	452007	25	
OraQuick ADVANCE® HIV-1/2 (Ab) test cassette (CE0543)	Oral fluid, whole blood, plasma	20 min	452008	25	
NADAL® HSV 1 IgG/IgM test cassette	Whole blood, serum, plasma	10 min	1130002N-30	30	
NADAL® HSV 2 IgG/IgM test cassette	Whole blood, serum, plasma	10 min	1130003N-30	30	
NADAL® pH Test	Vaginal secretion	10 sec	194002	50	
NADAL® Syphilis test strips	Whole blood, serum, plasma	10 min	203001	40	
NADAL® Syphilis test cassette	Whole blood, serum, plasma	10 min	203002	20	
RightSign® Toxoplasma IgM Test cassette (CE0123)	Serum, plasma	15 min	1670501	25	
NADAL® Trichomonas vaginalis test cassette	Vaginal secretion	15 min	840003N-10	10	

Practice name: _____

Address _____

Contact person _____

Telephone _____

Date _____

Signature _____

*All prices given are net, and are subject to an additional 19% VAT. Standard shipping price is £ 8/€9.90. Delivery is free for orders with a net worth exceeding £150/€150. Terms and conditions apply in the case of orders (see www.nal-vonminden.com/en).



NADAL® Medical Rapid Tests

Tests for every need

- ✓ Autoimmune diseases
- ✓ Bacteriology
- ✓ Cardiology
- ✓ Gynaecology
- ✓ Infectious diseases
- ✓ Oncology
- ✓ Paediatrics
- ✓ Parasitology
- ✓ Tropical medicine
- ✓ Sexually transmitted infections
- ✓ Urology



Our sales team are happy to answer any questions you may have by telephone on 0808 234 1237 (UK) or 1800 555 008 (IRE) or by email at: sales-dept@nal-vonminden.com

We help you care!

- Rapid Tests
- Laboratory Diagnostics
- Laboratory Service
- Consulting & Service