

new art laboratories



NADAL®
Medical rapid
tests

Diagnostic aids for gynaecology

Important parameters for gynaecology and obstetrics



nal von minden GmbH

Your specialists for medical diagnostics!

We help you care!

For more than 40 years, our company has been characterised by high quality products and outstanding service. Through extensive consultation with our customers, we have optimised our profile and adapted it to ongoing developments in the health market. In the

future, we aim to be the most innovative company in its field, and your first point of contact for all questions regarding medical rapid tests. We don't just want to meet your requirements, we want to inspire you too.

Dear practice team,

From the creation of a new life through to the menopause and women's sexual health, gynaecologists deal with all these issues in their practices. This requires comprehensive knowledge as well as a properly equipped practice. We are here to support you with our products.

NADAL® – Always the right test!

In the next pages, you'll find a selection of important diagnostic aids, such as PCR and rapid tests for **women's health**. Our aim is to provide interdisciplinary support to specialists, not only when it comes to a diagnosis, but also for prevention. Our comprehensive product range that covers numerous specialist fields, including

point-of-care devices, can be found on our website www.nal-vonminden.com.

We help you care! with outstanding product quality, an excellent price-performance ratio, personal customer contacts and fast service.

See for yourself! We look forward to helping you.

Your nal von minden GmbH



CEO of
nal von minden GmbH:
Lukas Eder

Overview of important rapid tests

Bladder cancer

Approximately 31,000 people are diagnosed with bladder cancer every year in Germany. Did you know? The early diagnosis of cancer has a significant impact on the course of the disease. The five year survival rate for patients with bladder cancer is 94 % when the tumour is diagnosed in

its early stages. The NMP22 test cannot replace the gold standard (cystoscopy), but can be carried out in addition to support an early diagnosis. The NADAL® Nuclear Matrix Protein 22 Test can also be useful as part of follow-up treatment for bladder cancer.

NADAL® Nuclear Matrix Protein 22 Test

For the qualitative detection of NMP22

Sample material: Urine
Test time: 10-15 minutes
Sensitivity: 93.8 %
Specificity: 92.0 %
Product code: 562011N-10



You can use our informational material for explaining bladder cancer to patients

Symptoms such as an increased urge to urinate or a burning sensation when passing urine in patients with risk factors? - **Suspected bladder cancer?**

Chlamydia

According to the WHO, *Chlamydia trachomatis* is the second most common sexually transmitted infection in the world. The reason is its high prevalence and transmission rate, due to the fact that chlamydia infections often

cause no symptoms. Only tests can provide clarity. The NADAL® Chlamydia plus Test is supplied with a transport tube, meaning sample collection and testing don't have to happen at the same place.

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 (f/m): 90.2 % / 92.6 %
Specificity (f/m): 96.0 % / 95.2 %
Product code: 212007



NADAL® Chlamydia plus test cassette (CE0197)

For the qualitative detection of *Chlamydia trachomatis*

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

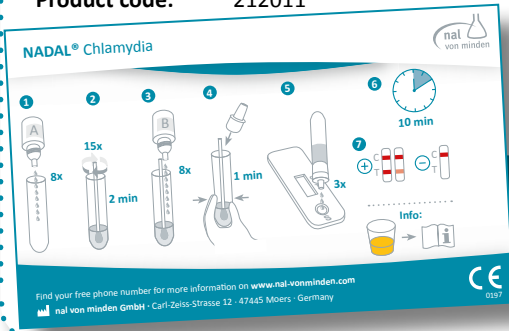
Test time: 10 minutes

Sensitivity (f/m): 90.2 % / 92.6 %

Specificity (f/m): 96.0 % / 95.2 %

Product code: 212011

With swab
& transport tube



Chlamydia infection or gonorrhoea?

Which antibiotic treatments are suitable?
Decision-making support in just 10 minutes!

Gonorrhoea

The symptoms of gonorrhoea are generally similar to those associated with chlamydia. However, the treatment for each infection differs. Regardless of whether they are experiencing symptoms or not, the CDC recommends

that sexually active women under 25 years, as well as homosexual men and those who have a new sexual partner, get themselves tested at least once a year.

NADAL® Gonorrhea test cassette

For the qualitative detection of gonorrhoea antigens

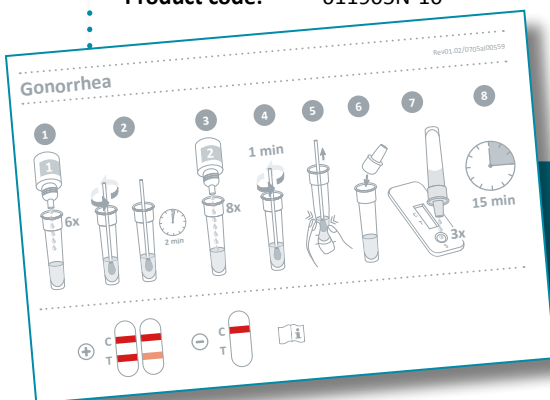
Sample material: Cervical (females)
& urethral swab (males)

Test time: 15 minutes

Sensitivity: 96.9 %

Specificity: 95.8 %

Product code: 611905N-10



Lower abdominal pain? Fever? Discharge?

Prevent infertility through an early diagnosis!
Decision-making support in just 15 minutes!

HIV

Many patients flinch at the prospect of a HIV test because they fear the results. However, an early diagnosis and subsequent treatment can enable a good quality of life and prevent the virus being passed on unknowingly. A HIV rapid test saves the patient a long wait, and delivers the first indication of a potential infection. A HIV test is not only recommended following potential contact with

the virus. Trichomonas patients should also undergo regular HIV testing, as the characteristic lesions also pose a high risk of transmission. In addition, syphilis often also occurs as a 'co-infection' with HIV. Due to the immune suppression associated with HIV, it is also recommended to test further parameters using rapid tests.

OraQuick® HIV Self-Test (CE0543)

Suitable for use with saliva

For the qualitative detection of antibodies against HIV-1 and HIV-2

Sample material: Oral fluid
Test time: 20 minutes
Sensitivity: 100 %
Specificity: 99.8 %
Product code: 452101



TEST IT anti-HIV 1/2 Test (CE1434)

Suitable for use with blood obtained via fingerstick

For the qualitative detection of antibodies against HIV-1 and HIV-2

Sample material: Whole blood, serum, plasma
Test time: 15 minutes
Sensitivity: 99.9 %
Specificity: 99.9 %
Product code: 452036



Around 21 % of all individuals infected with HIV in Germany are women. Depending on their risk behaviour, HIV tests are recommended.

Sexual health can often be an uncomfortable topic – why not use our STI patient leaflets as part of your consultation.



Syphilis

A syphilis infection is often diagnosed with the help of VDRL (venereal disease research laboratory) tests, which detect antilipoid antibodies. These are not only produced by a syphilis infection, but also during

pregnancy, as a result of liver disease or in the case of collagenosis. The NADAL® Syphilis Test, which detects antibodies specifically against syphilis pathogens named *Treponema pallidum*, delivers fast and decisive results.

NADAL® Syphilis test strips

Suitable for use with blood obtained via fingerstick
For the qualitative detection of IgM and IgG antibodies against *Treponema pallidum*

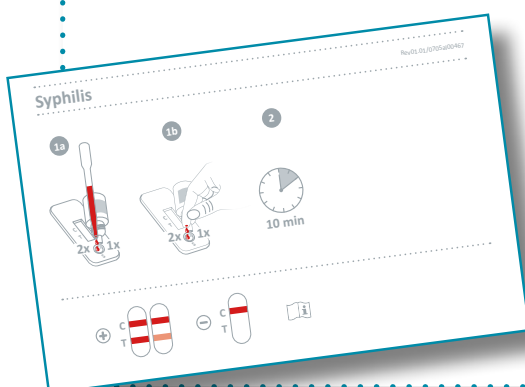
Sample material: Whole blood, serum, plasma
Test time: 10 minutes
Sensitivity: 98.6 %
Specificity: 98.5 %
Product code: 203901N-40



NADAL® Syphilis test cassette

Suitable for use with blood obtained via fingerstick
For the qualitative detection of IgM and IgG antibodies against *Treponema pallidum*

Sample material: Whole blood, serum, plasma
Test time: 10 minutes
Sensitivity: 99.5 %
Specificity: 99.3 %
Product code: 203902N-20



Trichomoniasis

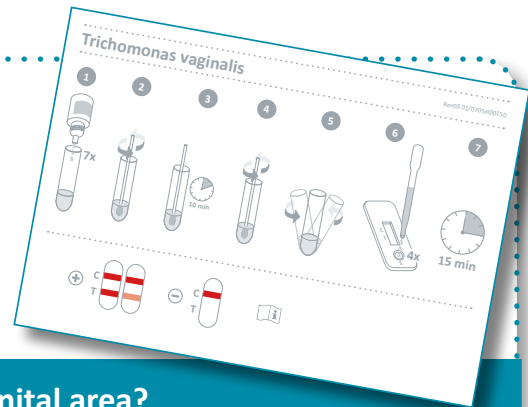
Trichomoniasis often occurs without symptoms. However, if left untreated, it can cause inflammation that could lead to infertility. Signs of a trichomoniasis infection may include unusual discharge or itching, and should be taken seriously. The NADAL® *Trichomonas vaginalis* rapid test

is suitable for use with vaginal secretion as a specimen material, and enables a quick and clear differentiation from other urogenital infections.

NADAL® *Trichomonas vaginalis* test cassette

For the qualitative detection of *Trichomonas vaginalis*

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



Discharge, itching or other issues in the genital area?
 Clear differentiation from other urogenital tract infections in just 15 minutes!





Strep B test during pregnancy

The NADAL® PCR PRO1 and PRO8 PCR tests for your practice

If the mother is infected, babies can contract strep B during the birthing process and develop severe symptoms. It is therefore advised that a strep B test be carried out on the mother towards the end of pregnancy, in order that treatment can be implemented if necessary.

With the NADAL® PCR Analyzer, strep B and other tests can be carried out on-site, without the wait for laboratory results. You can find further parameters and more information regarding the NADAL® PCR Analyzer in the following pages.

Product name	Sample material	Detection limit	Product code	Pack size
NADAL® GBS (Strep B) PCR Test	Vaginal swab	1000 CFU/mL	2710506	10

Product	Description	Product code
 NADAL® PCR Analyzer PRO1	Integrated nucleic acid analyser for a test cassette	65000
 NADAL® PCR Analyzer PRO8	Integrated nucleic acid analyser for up to 8 test cassettes	65001
 NADAL® Dry Bath Incubator	Incubator for the pre-incubation of test cassettes for the detection of bacteria (e.g. strep A/strep B); incl. Dry Bath Incubator power cable	65002
 NADAL® Dry Bath Incubator power cable	Dry Bath Incubator (Product code 65002)	65003

Your benefits:

- ✓ No pipetting necessary
- ✓ Reliable results from a single source – no laboratory necessary
- ✓ PCR results in 15 – 35 minutes

Request your personalised offer by calling 0941 - 29010 0

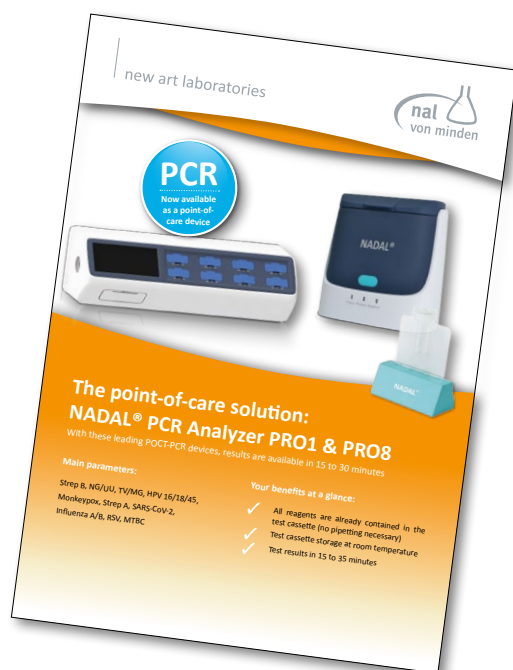


NADAL® PCR PRO1 and PRO8

The PCR solution for your practice

Further PCR parameters for gynaecology

Product code	Sample material	Detection limit	Product code	Pack size
NADAL® Gonorrhea/Ureaplasma Urealyticum Multiplex PCR Test	Vaginal swab	NG: 2000 copies/mL UU: 500 copies/mL	2710509	10
NADAL® TV / MG PCR Test	Vaginal or cervical swab, urine	500 copies/mL vaginal/cervical 1000 copies/mL urine	2710513	10
NADAL® HPV 16/18/45 Multiplex PCR Test	Vaginal or cervical swab	HPV16: 800 copies/mL HPV18: 800 copies/mL HPV45: 1000 copies/mL	2710508	10



Ask about our comprehensive
NADAL® PCR PRO1 and PRO8 brochure

Reliably prevent strep B infections and the damage they can cause to newborns

Interview with Dr Lina Meißner – Specialist for Gynaecology and Obstetrics

1. Why should patients be screened for group B streptococcus during pregnancy?

The literature tells us that intermittent group B streptococci are found in the vaginal flora of around 50 % of women. If group B streptococci are present in the vaginal secretions of a pregnant woman planning a vaginal birth, these germs - although harmless to the woman - are very likely to get into the mucous membranes, e.g. in the baby's throat, nose and eyes, during the birth. When newborns come into the world with a weak immune system, it is not possible for them to prevent a strep B infection. The consequences of a strep B infection in infants can include blood poisoning, lung infections and even meningitis.

If group B streptococci are detected in the vaginal flora during pregnancy, an antibiotic administered prophylactically to the mother during birth can reliably prevent an infection and subsequent complications for the newborn.

2. How do you rate the possibility of testing for B streptococci from within your practice with the NADAL® PCR PRO1?

Testing for B streptococci within your practice using a NADAL® PCR PRO1 is just as **reliable, safe and reproducible** as the microbiological detection method, which cultures B streptococci in culture medium. This is particularly important to me, because a lot depends on the result of the B streptococcus test - especially decisions regarding antibiotic treatment during birth to protect the newborn.

Apart from this, the NADAL® PCR PRO1 has been designed to save space and fits easily into any laboratory. The actual test procedure is very simple to carry out and mistakes are unlikely. Any medical staff member can use the device and achieve reliable results following a brief introduction and without any prior knowledge of laboratory technology.

Carrying out a strep B test in a practice means there is no longer a need for practice personnel to write referrals or send vaginal swabs to a laboratory. With the help of the NADAL® PCR PRO1, informing expectant mothers/parents about this useful examination as an optional service during pregnancy, the collection of the swab specimen, the performance of the test and the reporting of the findings can all happen in one place in the gynaecological practice.

With the NADAL® PCR PRO1, carrying out a group B streptococcus test on-site saves time with administrative tasks for the external laboratory. We can use this time to obtain a qualitative reliable group B streptococcus determination in the practice, and as a result we feel that our working time is well invested.



Time saved per patient using NADAL® PCR - 5 minutes



5-6 out of every 100 tests are positive for strep B.

3. What problems did you have in the past, that the NADAL® PCR PRO1 has solved?

The NADAL® PCR PRO1 does not require any EDP or remote data transmission like an external laboratory. We can avoid digital transmission errors through on-site determination, and we also reduce the risk of lost tests or forms during transportation to the external laboratory.

4. Which regular screenings would you recommend to patients outside of pregnancy?

From the age of 50, women and men can be tested every year for occult blood in stool samples using a quantitative immunological test (iFOBT), paid for by standard health insurance (in Germany). From 55, this test can be carried every 2 years, if the individual decides against a colonoscopy. For both patient groups, I would recommend an immunochromatographic double rapid test for the qualitative detection of haemoglobin and haemoglobin/haptoglobin complexes, which offers more reliability and surety than a conventional iFOB test.

Depending on existing risk factors, I recommend patients undergo bladder cancer urine screening tests (NMP22 test) as part of their yearly cancer screening examinations from the age of 50.

In Germany, women have the right to a yearly chlamydia urine screening until their 25th birthday. From the age of 25 upwards, women who have recently changed sexual partners are at an increased risk of contracting a chlamydia infection, which can pose a danger to fertility. I would advise these women to undergo a PCR chlamydia test, in which a swab sample is taken from the cervical canal.

Dr. med. Lina Meißner
Gynaecologist

MVZ Mittelpunkt Frau
Wolfgrubenweg 2
92526 Oberviechtach

lina.meissner@mittelpunktfrau.de
0151 57479898

Benefits of the NADAL® PCR device:

- ✓ The results are just as reliable and reproducible as the cultivation of culture mediums.
- ✓ The device is designed to save space and can fit in any laboratory.
- ✓ Having a device in the practice cuts out several procedural steps, including the need for referrals and the shipping of swab specimens to a laboratory.

Overview of relevant products

In addition to the products listed below, our portfolio comprises an extensive choice of rapid tests in various pack sizes, as well as practical devices for the automatic evaluation of tests. Don't hesitate to request your individual offer or further information. Your customer contact will be happy to help you further. Contact us directly by telephone on +49 941 29010-0 or by email: vertrieb@nal-vonminden.com

Product	Sample material	Test time	Product code	Pack size	Offer requested –
NADAL® Chlamydia test cassette (CE0197)	Cervical swab (females); Urethral swab & urine (males)	10 min	212007	20	<input type="checkbox"/> _____
NADAL® Chlamydia plus test cassette (CE0197)	Cervical swab (females); Urethral swab & urine (males)	10 min	212011	20	<input type="checkbox"/> _____
NADAL® FOB plus test cassette (detection limit 40 ng/mL)	Faeces	5 min	272940N-20	20	<input type="checkbox"/> _____
NADAL® Gonorrhoea test cassette	Cervical & urethral swab	15 min	611905N-10	10	<input type="checkbox"/> _____
NADAL® hCG Pregnancy test strips (sensitivity 10 mIU/mL)	Urine	5 min	141000	50	<input type="checkbox"/> _____
TEST IT anti-HIV 1/2 test cassette (CE1434)	Whole blood, serum, plasma	15 min	452036	40	<input type="checkbox"/> _____
OraQuick® HIV self-test (CE0543)	Oral fluid	20 min	452101	25	<input type="checkbox"/> _____
NADAL® Microalbumin test strips (detection limit 20 µg/mL)	Urine	5 min	331901N-50	50	<input type="checkbox"/> _____
NADAL® Nuclear Matrix Protein 22 (NMP22) test cassette	Urine	10-15 min	562011N-10	10	<input type="checkbox"/> _____
Reactif 10 SL urine analysis strips (tube) CE0197	Urine	-	41101-L	100	<input type="checkbox"/> _____
NADAL® Syphilis test cassette	Whole blood, serum, plasma	10 min	203902N-20	20	<input type="checkbox"/> _____
NADAL® Syphilis test strips	Whole blood, serum, plasma	10 min	203901N-40	40	<input type="checkbox"/> _____
NADAL® PCR Analyzer PRO1	-	-	65000	1	<input type="checkbox"/> _____
NADAL® PCR Analyzer PRO8	-	-	65001	1	<input type="checkbox"/> _____
NADAL® GBS (Strep B) PCR Test	Vaginal swab	-	2710506	10	<input type="checkbox"/> _____
NADAL® Gonorrhoea/Ureaplasma Urealyticum Multiplex PCR Test	Vaginal & urethral swab	-	2710509	10	<input type="checkbox"/> _____
NADAL® TV / MG PCR Test	Vaginal & cervical swab, urine	-	2710513	10	<input type="checkbox"/> _____
NADAL® HPV 16/18/45 Multiplex PCR Test	Vaginal & cervical swab	-	2710508	10	<input type="checkbox"/> _____

Please send me an offer for the tests/devices selected:

Practice name _____

Address _____

Contact person _____

Telephone _____

Date _____

Signature _____

Please send me the following information material:

NADAL® PCR PRO1 and PRO8 brochures

HIV patient information

NADAL® catalogue – medical rapid tests

Bladder cancer patient information

STIs patient information

Reactif urine analysis strips

Available in many
different combinations

For the rapid detection of up to 11 analytes in human urine
Detects the following parameters:

- ✓ Proteins
- ✓ Leukocytes
- ✓ Blood
- ✓ Nitrite
- ✓ Glucose
- ✓ Bilirubin
- ✓ Urobilinogen
- ✓ Ketone
- ✓ pH level
- ✓ Specific weight
- ✓ Ascorbic acid (control)



Our sales team will be happy to answer any questions you may have by telephone on:
0941 - 29010 0 or by fax on: 0941 - 29010 50 and via email at vertrieb@nal-vonminden.com

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Rev02.01/0705en00174

We help you care!

