



Dynamic Code wants to make healthcare safer, smarter and more accessible to everyone. It is YOUR health we are taking about. Why should you have to wait passively for help and worry unnecessarily, when you can take responsibility and obtain a safe result in just a few days?

Nail fungus is a common infection that occurs in up to 12% of the world population¹. In addition, nail fungus is a commonly recurring infection. Nail fungus is not serious in itself, but can still be a nuisance both physically and mentally. The fungus can cause ingrown toenails and many people refrain from wearing sandals or walking barefoot to avoid exposing their affected nails. Common signs of possibly being affected by nail fungus include deformed, thickened and yellowed nails or that the nail crumbles, loosens or has white spots. If untreated, the nail disease can, in the worst cases, cause permanent deformations that are painful and with the risk of other infections as a consequence.

To choose the right treatment, you first need to determine if you do in fact have a fungus infection. To help you, we have developed a test that identifies the most common fungi that affect nails.

This is how our comprehensive solution works, from test to doctor's appointment and treatment.



Order a test kit on our website.



Follow the detailed instructions and collect the sample.



Return the test kit to us. Use the original packaging to return the sample.



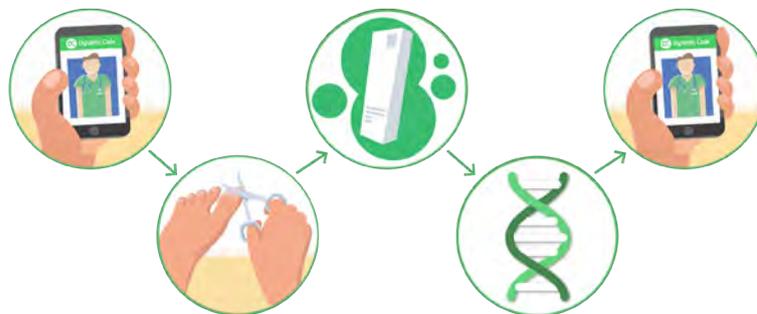
Your sample is analysed in our quality reliable laboratories.



The result can be accessed on our website using your personal code.

Order – collect sample – mail it – access the result and get help straight in the mobile!

Use our comprehensive solution to get help when you need it, without having to visit a healthcare centre. Your test sample is analysed by medical experts and the results can be retrieved on our website. Should you wish to see a doctor to discuss the results, then this will be done directly online. The doctor will provide the correct diagnosis.



If you decide to use one of the digital health providers we collaborate with, then the doctor will order the test kit on your behalf. The result is sent directly to the doctor, who will provide the correct diagnosis and the proper treatment.

Information about nail fungus

Nail fungus is often caused by so-called filamentous fungi (dermatophyte) belonging to the *Trichophyton* genus. *Trichophyton rubrum* is the most common type and is the cause of the majority of all nail fungus infections¹. Dynamic Code's test detects *Trichophyton rubrum* genus and the most common types of the Trichophyton, *Microsporum* and *Epidermophyton* genera.

Development of the test

The test is developed in accordance with Dynamic Code's quality guidelines and is based on solid technical foundations with well-tested PCR methodology and on at least two of each other independent scientific studies supporting the link between diagnosis and genetic analysis.

Medical expert

Dynamic Code's Nail Fungus Test is reviewed by our medical expert Lampros Nintis, specialist physician in dermatology and skin diseases.

Sampling methodology

In accordance with IVD Directive 98/79/EC and MDD Directive 93/42/EEC, studies have been conducted to ensure the test kit package instructions can be understood by laypeople. These studies show that Dynamic Code's Nail Fungus Test instructions are both clear and safe. The instructions cover both how to take and submit the sample, and how the results are accessed. A sample is easily collected by clipping off a bit of the infected nail or by scraping the infected nail surface and transferring it to a sample tube.

Analysis methodology

Dynamic Code's Nail Fungus Test uses a proprietary analysis methodology to detect the presence of nail fungus. The analysis methodology is based on PCR and detects several different types within the Trichophyton, *Microsporum* and *Epidermophyton* genera; including *T. rubrum*, *T. interdigitale*, *T. mentagrophytes*, *T. terrestre*, *T. tonsurans*, *T. verrucosum*, *M. canis*, *M. audouinii*, *M. gypseum* and *E. floccosum*.

Test validation

Dynamic Code's method of analysis has been validated by comparing the obtained results with cultivations, microscopy and PCR, where a positive result from at least one method is interpreted as positive and a negative result from all methods is interpreted as negative. The validation was performed on 100 samples by an external laboratory and yielded 87% compliance. Based on the validation results, sensitivity was thus obtained: 93%, specificity: 80% and reliability: 87%.

Quality

Dynamic Code is responsible for the making of the sampling packages that are CE-marked in accordance with IVC directive 98/79/EC, MDD directive 93/42/EEC and any subsequent legislative amendments. Dynamic Code's CE-marked products are further certified by international inspection body DEKRA. Dynamic Code's nail fungus test is registered with the Swedish Medical Products Agency and is thus included in the EUDAMED database. Dynamic Code's laboratory is accredited by SWEDAC in accordance with the ISO17025 standard.

Read more about quality and validation of Dynamic Code's tests on our website: <https://www.dynamiccode.com/se/kvalitetspolicy>

¹ Nail fungus: Overview. Institute for Quality and Efficiency in Health Care (IQWiG). January 14, 2015

² Luz A et al. *Trichophyton rubrum* Manipulates the Innate Immune Functions of Human Keratinocytes. Cent. Eur. J. Biol. 6(6): 2011

About Dynamic Code

Dynamic Code wants to help people take control over their own health and develops meaningful health and diagnostic tests based on DNA technology. The tests are offered over a digital communication and logistics platform that is revolutionising medical sampling and diagnostic testing. Tests that previously have required samples to be taken at clinics by health staff and that sometimes have taken months or years to get done, can now be taken by the patients themselves and results and treatment can be accessed in just a few days. Without compromising on quality – Dynamic Code's tests comply with all medical and regulatory requirements.