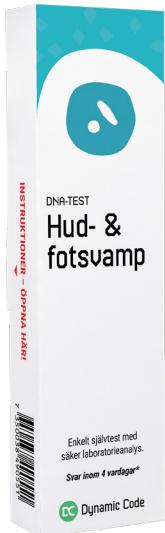


# DNA Test Skin and Foot Fungus



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?

Skin fungal infection commonly occurs in about 20% of the world population and often attacks the feet, in which case it is called foot fungus. The fungal attacks are not common but are still a nuisance to the one affected. Common signs of skin fungus are rashes, sore skin and circular scaling with redness and itching. Skin fungus often appears in groins, on hands or in the face and it is easy to mistake the infection for eczema or psoriasis. In the case of foot fungus, which usually occurs between the toes, the most common symptoms are itching, irritation, blisters, cracks, scaling, and whitish fluid (maceration) between the toes. Skin and foot fungus can lead to bacterial infections, which in the worst case can lead to hay fever.

Because skin fungus is easily mistaken for other diseases, it is important to determine first if it is in fact skin fungus you have. To help you, we have developed a skin and foot fungus test that identifies the most common fungi that attack the skin. Should the test result confirm you are infected by skin fungus, you can easily get in touch with a doctor for treatment.

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



Order a test kit on our website or buy one from a pharmacy.



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.



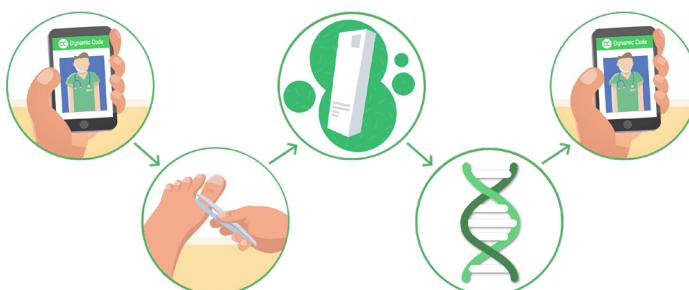
The result can be accessed on our website using your personal code.



When necessary, we will help you connect to a digital health provider.

## 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 and treatment.



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.

Scan the QR code to access the product page on our website.



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## Information about skin fungus

Fungus is often caused by so-called filamentous fungi (dermatophytes) belonging to the *Trichophyton* genus. *Trichophyton rubrum* is the most common type and accounts for 90% of all the cases in the world<sup>2</sup>. 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 Skin and Foot 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. Studies show that Dynamic Code's Skin and foot 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. The sample is easily collected by scraping off some skin scales and transferring them to a sample tube.

## Analysis methodology

Dynamic Code's Skin and Foot Fungus Test uses a proprietary analysis methodology to detect the presence of skin 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. terrestris*, *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 and microscopy. The validation was performed on 100 samples by an external laboratory and yielded 93% compliance. Based on the validation results, sensitivity was thus obtained: 98%, specificity: 90% and reliability: 93%.

## Quality

Dynamic Code is responsible for the production of the sampling packages, which are CE-marked in accordance with IVC directive 98/79/EC, MDD directive 93/42/EEC and all subsequent legislative amendments. Dynamic Code's CE-marked products are further certified by international inspection body DEKRA.

Dynamic Code's skin and foot 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>

<sup>1</sup>Havlickova B, Czaika V, Friedrich M. Epidemiological trends in skin mycoses worldwide. Mycoses. 2008 Sep;51

<sup>2</sup>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.