

PATHONOSTICS

DermaGenius®: Multiplex real-time PCR assays for the detection and identification of fungal infections of nail, hair and skin

Overview

DermaGenius® multiplex real-time PCR assays identify the most prevalent fungal infections in nail, hair and skin samples

within 2,5 hours. A semi-automated DNA-extraction is recommended in the procedure to ensure efficiency with limited hands-on time. The procedure from sample to diagnosis can be implemented by a routine molecular diagnostic laboratory and is suitable for high-throughput screening.

DermaGenius® assays are separately available as Nail and Complete multiplex products.

The DermaGenius® multiplex PCR assays are suitable for real-time PCR instruments using melting curve analysis and have been validated on LightCycler 480 II (Roche) and Rotor-Gene Q (Qiagen).



Products

DermaGenius® Nail multiplex kit

(PN-003) – 50 reactions

- Detection and differentiation of *C.albicans* and *Trichophyton* species

DermaGenius® Complete multiplex kit

(PN-004) – 50 reactions

- Detection and differentiation of *C.albicans* and *Trichophyton* species
- Detection and differentiation of *Microsporium* species and *E.floccosum*

Targets

Nail multiplex kit

- *Candida albicans*
- *Trichophyton mentagrophytes*
- *Trichophyton interdigitale*
- *Trichophyton rubrum*

Complete multiplex kit

- *Candida albicans*
- *Trichophyton mentagrophytes*
- *Trichophyton interdigitale*
- *Trichophyton rubrum*
- *Trichophyton tonsurans*

- *Trichophyton soudanense*
- *Trichophyton violaceum*
- *Microsporium canis*
- *Microsporium audouinii*
- *Epidermophyton floccosum*

Diagnostic specimens

- Nail, hair and skin samples

Quality

- Validated on fungal cultures
- Validated on clinical nail, hair and skin samples
- **CE**-IVD marked

Features and benefits

- Identification of the most clinically prevalent fungal infections directly in nail, hair and skin samples
- Diagnosis within 2,5 hours after nucleic acid extraction
- Nucleic acid extraction procedure recommended
- Internal Control (IC) included
- Positive controls included