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 Microsporum species and E.floccosum

Diagnostic specimens
– Nail, hair and skin samples

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

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
– Microsporum canis
– Microsporum audouinii
– Epidermophyton floccosum

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

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