

Novaplex™

Dermatophyte Assay

Accurate causative pathogen testing
to improve quality of life



What is Dermatophytosis?

Dermatophytosis is a fungal infection caused by dermatophyte and is well known as a disease accompanied by itching and odor. This highly contagious disease may lead to reduced quality of life such as hair loss and various types of inflammation. Moreover, the longer it is left unattended, the more difficult it is to treat, so it is important to diagnose causative pathogens at an early stage.

Why Novaplex™ Dermatophyte Assay?

Novaplex™ Dermatophyte Assay detects 28 pathogens associated with dermatophytosis in a single tube.

Detection of 28 Dermatophytes

Trichophyton rubrum complex

- *T. rubrum*
- *T. balcaneum*
- *T. circonvolutum*
- *T. gourvillii*
- *T. kuryangei*
- *T. soudanense*
- *T. violaceum*
- *T. yaoundei*

Trichophyton mentagrophytes complex

- *T. mentagrophytes*
- *T. benhamiae*
- *T. bulbosum*
- *T. concentricum*
- *T. erinacei*
- *T. eriotrephon*
- *T. equinum*
- *T. interdigitale*
- *T. quinckeanum*
- *T. schoenleinii*
- *T. simii*
- *T. tonsurans*
- *T. verrucosum*
- *T. cf.schoenleinii*
/quinckeanum

Microsporum spp.

- *M. audouinii*
- *M. canis*
- *M. ferrugineum*

Trichophyton tonsurans

Epidermophyton floccosum

Candida albicans



Novaplex™ Dermatophyte Assay

RUO

Analytes

- *Trichophyton rubrum* complex (TRC)
- *Trichophyton mentagrophytes* complex (TMC)
- *Microsporum* spp. (Mssp.)
- *Trichophyton tonsurans* (TT)
- *Epidermophyton floccosum* (EF)
- *Candida albicans* (CA)

Samples

- Skin - Hair - Nail

Key Features



Extensive coverage

- Detect 28 dermatophytes in a single tube



High-performance

- Fast PCR TAT: 1 hr 33 min
- High sensitivity & specificity



Ease-of-use

- Available for automated extraction and PCR setup
- Minimize hands-on-time

Streamlined Automated System



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Kick your Real-time PCR up a notch !

With Seegene's core proprietary technology and expertise, enhance your MDx products with incomparable performance and usability.



Oligo Design

Oligo design technology for high multiplex PCR: SG-Insilico™

Enables rapid designing of high multiplex oligos using Seegene-developed algorithms and confidential variables



Amplification

Highly specific amplification technology for high multiplex PCR: DPO™

Allows the implementation of high multiplex diagnostics with unparalleled specificity using Seegene's unique primer structure



Target Detection

High multiplex target detection technology: TOCE™

Achieves accurate target signals by independently controlling multiple target signals for primer and probe annealing temperatures



Quantitative Detection

High multiplex target detection & quantification technology: MuDT™

Broadens capacity for high multiplex target detection & quantification by enabling analysis of multiple Ct values in a single detection channel

Enables accurate reporting of target's positive or negative results through Seegene's proprietary signal processing algorithms



Interpretation

High multiplex signal processing technology: DSP™

Ordering Information

Product	Volume	Cat. No.
Novaplex™ Dermatophyte Assay	124rxns	R-DE10261X

Instrument

Instrument	Cat. No.
CFX96™ Dx (2 modules)	1845097-IVD & 1841000-IVD
Seegene NIMBUS	65415-03
Seegene STARlet	67930-03
STARMag 96 X 4 Universal Cartridge Kit*	744300.4.UC384

* For use with Seegene NIMBUS and Seegene STARlet only