



Novaplex™

# Dermatophyte Assay (RUO)

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*

### Microsporium 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. (Mspp.)
- *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



Automated extraction & PCR setup  
Seegene STARlet or NIMBUS

Real-time PCR  
CFX96™ Dx

Automated interpretation  
Seegene Viewer

Web-based statistical data analysis  
SG STATS



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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



### Interpretation

High multiplex signal processing technology: DSP™

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

## Ordering Information

| Product                      | Volume   | Cat. No.   |
|------------------------------|----------|------------|
| Novaplex™ Dermatophyte Assay | 100 rxns | R-DE10261X |

| 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* | 744300.4UC384             |

\* For use with Seegene NIMBUS and Seegene STARlet only.