

# Dermatophyte infection of Reconstructed Human Epidermis

*Commonly used acronym: RHE*

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## Organisation

**Name of the organisation** Université de Namur (UNamur)

**Department** NARILIS

**Country** Belgium

**Geographical Area** Walloon

## SCOPE OF THE METHOD

<b>The Method relates to</b>	Human health
<b>The Method is situated in</b>	Basic Research
<b>Type of method</b>	In vitro - Ex vivo
<b>Specify the type of cells/tissues/organs</b>	Human epidermal keratinocytes and Trichophyton rubrum spores

## DESCRIPTION

### Method keywords

Dermatophytes

fungal infection

tinea

## Scientific area keywords

dermatology

mycology

## Method description

The method is about infection of human epidermis in culture by anthropophilic dermatophytes of *Trichophyton rubrum* species.

## Lab equipment

Culture hood, incubators for cell culture, refrigerated centrifuge.

## Method status

Published in peer reviewed journal

## PROS, CONS & FUTURE POTENTIAL

### Advantages

Allows ethically acceptable infection of human tissues.

### Challenges

Currently, there is no immune cell or adaptative immunity in the model.

## REFERENCES, ASSOCIATED DOCUMENTS AND OTHER INFORMATION

### Associated documents

[Faway 2016 Med Mycol55-485.pdf](#)

[Faway2019-JID139-2080 + suppl.pdf](#)

[FawayStaerck2021 jof-07-01029-v2.pdf](#)

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