

# Dermatophyte infection of Reconstructed Human Epidermis

*Commonly used acronym: RHE*

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## 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>This method makes use of</b>                 | Human derived cells / tissues / organs                          |
| <b>Specify the type of cells/tissues/organs</b> | Human epidermal keratinocytes and<br>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](#)

## **PARTNERS AND COLLABORATIONS**

### **Organisation**

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

**Department** NARILIS

**Country** Belgium

**Geographical Area** Walloon

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