

Dermatophyte infection of Reconstructed Human Epidermis

Commonly used acronym: RHE

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Organisation

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Department NARILIS

Country Belgium

Geographical Area Walloon

SCOPE OF THE METHOD

| | |
|---|--|
| The Method relates to | Human health |
| The Method is situated in | Basic Research |
| Type of method | In vitro - Ex vivo |
| Specify the type of cells/tissues/organs | 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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