

Galleria mellonella screening assay in microbiology

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Organisation

Name of the organisation Ghent University (UGent)

Department Laboratory of Pharmaceutical Microbiology

Country Belgium

Geographical Area Flemish Region

SCOPE OF THE METHOD

The Method relates to	Human health
The Method is situated in	Basic Research, Education and training, Translational - Applied Research
Type of method	In vivo
Used species	Galleria mellonella

DESCRIPTION

Method keywords

microbiology
infection
virulence
antibiotics
biofilm

Scientific area keywords

microbiology
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Method description

The *Galleria mellonella* assay makes use of larvae of the Greater Wax Moth. *G. mellonella* larvae are injected with a small amount of microorganisms, and survival can easily be followed for up to 1 week. This allows to compare virulence between different organisms. Alternatively, after injection of the microorganisms a treatment can be

administered, to determine antimicrobial activity.

Lab equipment

Basic microbiology lab equipment.

Method status

Published in peer reviewed journal

REFERENCES, ASSOCIATED DOCUMENTS AND OTHER INFORMATION

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