Galleria mellonella screening assay in microbiology

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Contact person

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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

<table>
<thead>
<tr>
<th>The Method relates to</th>
<th>Human health</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Method is situated in</td>
<td>Basic Research, Education and training, Translational - Applied Research</td>
</tr>
<tr>
<td>Type of method</td>
<td>In vivo</td>
</tr>
<tr>
<td>Used species</td>
<td>Galleria mellonella</td>
</tr>
</tbody>
</table>

DESCRIPTION

Method keywords

microbiology
infection
virulence
antibiotics
Scientific area keywords
microbiology
infection
virulence
antibiotics
biofilm

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