

# Galleria mellonella screening assay in microbiology

Created on: 29-09-2019 - Last modified on: 01-10-2019

## SCOPE OF THE METHOD

<b>Alternative method relates to</b>	Human health
<b>Alternative method is situated in</b>	Basic Research, Education and training, Translational - Applied Research
<b>Type of alternative method</b>	In vivo
<b>This method makes use of</b>	Animal derived cells / tissues / organs
<b>Used species</b>	Galleria mellonella

## DESCRIPTION

### Method keywords

microbiology

infection

virulence

antibiotics

biofilm

### 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**

### **Associated documents**

## **PARTNERS AND COLLABORATIONS**

### **Organisation**

**Name of the organisation** Ghent University

**Department** Laboratory of Pharmaceutical Microbiology

**Country** Belgium

Coordinated by



Financed by

