

# Caenorhabditis elegans screening assay in microbiology

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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, Education and training, Translational - Applied Research
<b>Type of method</b>	In vivo
<b>This method makes use of</b>	Animal derived cells / tissues / organs
<b>Used species</b>	Caenorhabditis elegans

## DESCRIPTION

### Method keywords

microbiology

infection

antibiotics

virulence

biofilm

### **Scientific area keywords**

microbiology

antibiotics

infection

screening

virulence

biofilm

### **Method description**

The *C. elegans* assay can be used to study the virulence of various microorganisms, and can be used to evaluate the antimicrobial effect of drugs or drug candidates. The two main outcome parameters are (i) survival of *C. elegans* and (ii) microbial load.

### **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 (UGent)

**Department** Laboratory of Pharmaceutical Microbiology

**Country** Belgium

**Geographical Area** Flemish Region

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