

# Caenorhabditis elegans screening assay in microbiology

Created on: 29-09-2019 - Last modified on: 08-11-2019

## Contact person

Tom Coenye

## Organisation

**Name of the organisation** Ghent University (UGent)

**Department** Laboratory of Pharmaceutical Microbiology

**Country** Belgium

**Geographical Area** Flemish Region

## 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>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

Coordinated by



Financed by

