

CARVACROL AS DISINFECTANT AGAINST LEGIONELLA

A research group from CIBER, IGTP and UAB has patented a new use for a natural molecule

The Need

There is a need of finding strategies able to control *Legionella* growth which do not generate toxic and carcinogenic by-products (such as it occurs for instance when chlorine is used).

The Solution

The invention probes the efficient use of Carvacrol natural essential oil, with same or more efficacy that currently used alternatives that generate toxic and carcinogenic products.

The molecule is effective for all *Legionella* subpopulations even the harboured in protozoa cysts, protozoa trophozoites and/or *Legionella* embedded within a biofilm.

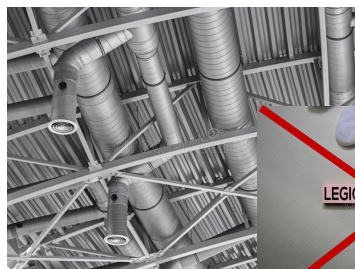
Innovative Aspects

This product would bring the opportunity to:

1. Use a natural product instead of toxic or carcinogenic ones against all *Legionella* subpopulations.
2. Reducing water temperature heating in biocide treatments, having energy savings.
3. It can be used in food industry.
4. The use of 50 degrees water temperature heating, losing only a 10% of the molecule.
5. Have a good effectivity even in *Legionella* harboured in protozoa cysts, protozoa trophozoites and in *Legionella* embedded in biofilms.

Stage of Development:

The molecule is currently being improved for its use in water.



Intellectual Property: EP21382403.0 5th May 2021

Aims

Looking for companies or groups for collaboration in the new molecule development and licence agreements for commercialisation.

Contact details