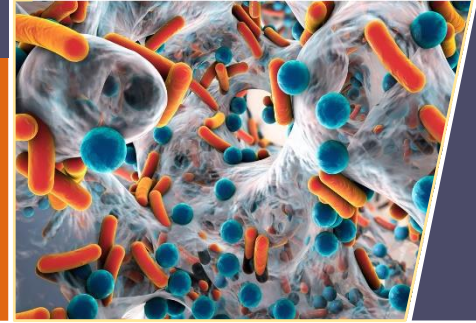


# Native biofilms washing machine

Health / Food / Bacteriology



## REFERENCE

BIOFILM WASHING [L1637]

## KEYWORDS

STAPHYLOCOCCUS / BIOFILMS /  
WASHING / BACTERIA



## APPLICATIONS

- Test to be used in the development of antibiotics, antifungals, medical devices, medical materials, surgical materials...
- Production analysis : quality control



## TARGET MARKETS

- Health industry : pharmaceuticals, medical devices...
- Food industry

## Technology readiness level

TRL 4-5



## INTELLECTUAL PROPERTY

Patent pending FR1659459

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## DESCRIPTION

This invention is on a method and a device dedicated to prepare and wash biofilms for analysis. This washing technique is not destructive nor aggressive, and preserves biofilms integrity. It enables the in-depth and accurate analysis of native and mature biofilms, through qualification and quantification of living bacteria forming the biofilm. It provides an ideal basis to analyse bacterial, fungal or algal biofilms in various fields of application, ranging from health to food industries.

## COMPETITIVE ADVANTAGES

- Preservation of natural biofilm integrity
- Improved analysis accuracy and reproductibility compared to conventional techniques (crystal violet)
- Ready to use / easy to use device

## DEVELOPMENT STATUS

- Washing device ready-to-use prototype
- Tested on various biofilms

## PARTNERSHIP

PULSALYS is looking for industrial partners interested in co-developing and/or marketing this device.



## OUR OPPORTUNITIES

[www.pulsalys.fr/entreprise/offres-technologies/](http://www.pulsalys.fr/entreprise/offres-technologies/)

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