



Biofilm Test Facility

Independent research-based
testing of industry products

What is a biofilm?

Bacterial growth can occur in two very different modes: Planktonic, where the bacteria are free-floating or as biofilms, where bacteria are aggregated.

The importance of the bacterial biofilm mode of growth is becoming increasingly evident, particularly in chronic infections. Bacteria growing as biofilms can be up to 1000 times more tolerant towards antibiotics as compared to planktonic bacteria. Increased tolerance of biofilms has strengthened the belief that a chronic infection equals the biofilm state of growth.

Experimental evidence has accumulated over the years showing that biofilms tolerate antimicrobial properties of the immune system, antiseptics and antibiotics.

What we offer

As pioneers in medical biofilms we are experiencing an increasing attention from medical companies that aim to implement biofilm research into their portfolio.

Biofilm Test Facility offers specialised and customised testing of e.g. medical device biofilms and antimicrobials.

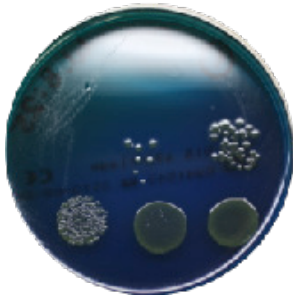
- We can test and visualise your compound, dressing etc. in relevant models for biofilm killing and inhibition
- We can help develop and benchmark anti-biofilm strategies and diagnostics.
- We have access to all clinically relevant bacterial strains and routinely run biofilm assays on *S. aureus*, *P. aeruginosa*, *S. epidermidis* and *P. acnes*.
- We engage in all projects from single tests to large preclinical trials and we have the resources to commence most projects immediately.
- With our customised biofilm models we mimic reality to optimise *in vitro* results that translate into *in vivo* effect.

About us

We are an independent microbiology CRO located at the University of Copenhagen.

Our research at the university (Costerton Biofilm Center) and Copenhagen University Hospital (Rigshospitalet) have been focusing on biofilm research for 20 years and we are regarded as globally leading institution and pioneers in the field.

At the Biofilm Test Facility we have state-of-the-art research facilities, including animal stables and a large microscope facility (CFIM).



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