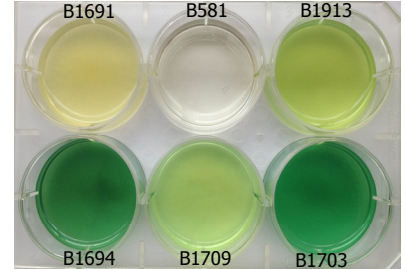


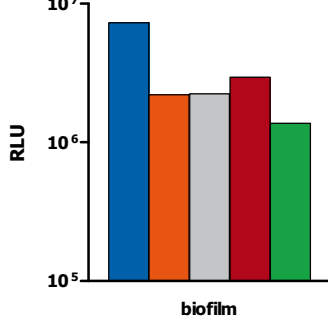
In vitro Pharmacology: Biofilm Studies on *Pseudomonas Aeruginosa*

- More than 280 *Pseudomonas aeruginosa* strains (ATCC and clinical isolates) in strain collection
 - Fully profiled (phenotype, genotype and epidemiology)
 - Isolated from various sites of infection (hemoculture, urine, respiratory tract, chronic wounds etc.)
 - Bearing different resistance mechanisms
 - Differing in production of virulence factors (biofilm, elastase, pyocyanin, pyoverdinin)

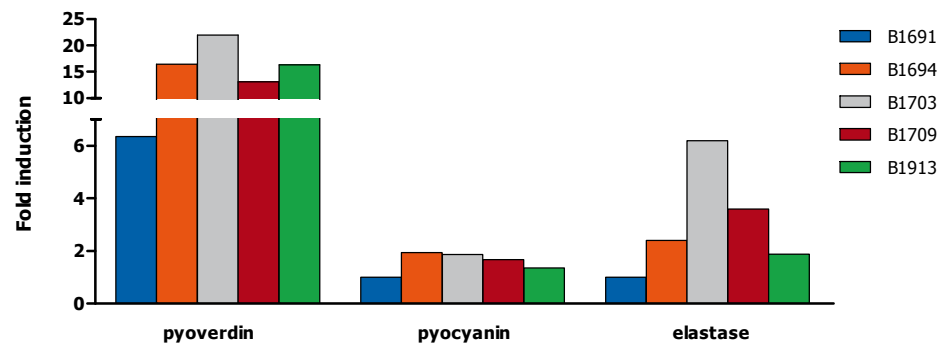


Pigment production by *Pseudomonas aeruginosa* clinical isolates.

Biofilm formation

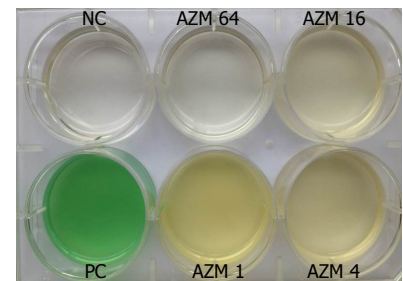


Virulence factor production



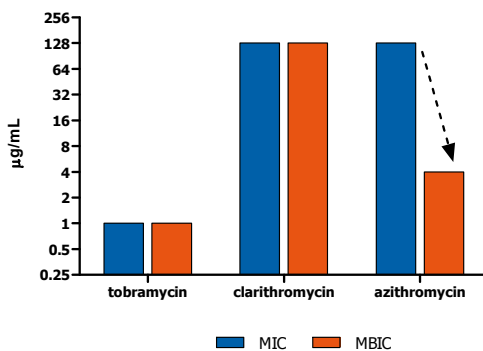
Biofilm studies

- In line with the growing awareness of the biofilm mode of microbial life and substantial problem with biofilms on medical devices, Fidelta is offering assays to test the compounds on:
 - Biofilm formation (MBIC)
 - Biofilm eradication (MBEC)
 - Virulence factors production (elastase, pyocyanin, pyoverdinin,...)



Influence of azithromycin (AZM) on virulence factors production by *Pseudomonas aeruginosa* B1694.

Inhibition of biofilm formation



Eradication of formed biofilm

