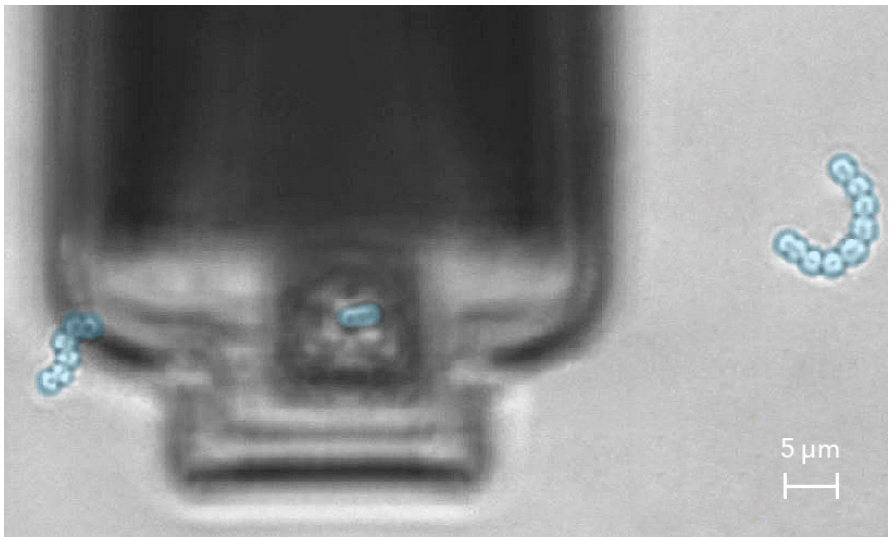
SINGLE BACTERIA ADHESION

Measuring bacterial adhesion at the single cell level is now possible thanks to FluidFM. Quantify antimicrobial surfaces, gain insight into pathogen pathways, or explore your own unique application. FluidFM technology gives you access to new realms of the microbiological domain.



BACTERIA.
An *S. pyogenes* cell (highlighted in blue) is detached from the surface using a FluidFM probe cantilever. The outlines of the pyramidal tip can be seen around the cell. *Courtesy of Potthoff E., ETH Zurich*

FluidFM® GIVES YOU THE EDGE.

Enjoy the unique opportunity to measure the adhesion of individual bacteria. The short preparation time in combination with reusable measurement probes makes FluidFM the perfect tool for all your single cell adhesion studies.

UNIQUE
NO OTHER METHOD

pN
RESOLUTION

POINT & CLICK
SIMPLE OPERATION

THE PROCEDURE IN BRIEF.

The target cell is selected via the point and click interface and then reversibly attached to the FluidFM probe by applying an underpressure. It is subsequently detached from the surface by retracting the measurement probe, and the resulting adhesion forces are precisely recorded with pN resolution. All force curves are automatically stored and organized for analysis using our advanced data analysis software or custom third-party tools.

SELECTED PUBLICATION

– 2015. E. Potthoff, D. Ossola, T. Zambelli & J.A. Vorholt. Bacterial adhesion force quantification by fluidic force microscopy. (2015) *Nanoscale*, 7 (9), 4070–4079. doi:10.1039/c4nr06495j

CONTACT US.

We offer complete support for our customers and distributors. Please visit the Cytosurge Help Center in order to access the **FluidFM®** user community. **www.fluidfm.com**

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