

GO BEYOND.

# A WORLD OF APPLICATIONS.



## INJECTION INTO SINGLE CELLS

Injection into single cells enables targeted introduction of foreign materials into a specific cell. Stimulating selected cells within a colony with your desired drugs or gene vectors provides new insights for life science, biology and medicine. Re-injection into the same cell and accurate information on the injected volume are possible.



## ISOLATION OF SINGLE CELLS

FluidFM® enables targeted isolation of single adherent or suspended cells. Single cell isolation makes it possible to follow the cell from source to destination with complete traceability.



## COLLOIDAL SPECTROSCOPY

Interactive forces between colloidal particles and other surfaces can be measured directly with FluidFM®. A spherical colloid is the ideal probe for local elasticity measurement of complex substrates. FluidFM's reversible and repeatable colloid immobilization capabilities dramatically increases data point throughput.



## SPOTTING

FluidFM® enables high precision printing of spots and high density arrays with nanometer precision, both in gas and liquid environments. This technique can be utilized in biosensing and in lab-on-a-chip devices to create protein or DNA arrays.



## EXTRACTION FROM SINGLE CELLS

Extraction from single cells enables to sample the content of individual cells for molecular analyses directly in their native environment while preserving the entire cellular context. Thus, the method can be applied repeatedly to the same cell without destroying it.



## ADHESION OF SINGLE CELLS

Cells bind to various surfaces and substrates. The exact measurement of the strength and characteristics of these bonds provides valuable information for numerous biological and clinical research topics.



## NANOLITHOGRAPHY

FluidFM® nanolithography offers the possibility of printing vectors and complex structures at the nanometer scale. Thanks to the closed nanopipette, nanolithography in liquid is feasible for various types of inks.

### CONTACT US.

We and our distributors offer comprehensive support for FluidFM® customers. Please visit the Cytosurge Help Center in order to access the FluidFM® user community: [support.fluidfm.com](https://support.fluidfm.com)

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