**Exchangeable Colloid Probe**

Spherical colloids are the most suitable probes for local elasticity measurements on complex substrates. While colloidal probes are inherently difficult to produce and handle, FluidFM® technology overcomes these limitations in order to give you unparalleled flexibility for your most demanding research requirements.

FluidFM® gives you the edge.

Imagine renewing your AFM colloidal probe in-situ without having to completely replace the entire probe. **FluidFM®** technology makes opting for a completely fresh probe inherently easy. The simple, yet universal approach enabled by FluidFM® technology allows it to reversibly attach micro- and nanospheres to an atomic force cantilever in order to function as a colloidal probe.

Quantify long-term or irreversible interactions by using each colloidal probe only once. Fast, in-situ renewal of your probe is possible with FluidFM® technology — at virtually no cost. Obtain solid statistics in short periods of time by measuring more data points than ever before. The versatility of FluidFM® thereby allows you to use solid, liquid and gaseous colloids as required by your experiment.

**The procedure in brief.**

The colloids are seized and reversibly attached to the FluidFM® probe by applying an underpressure to the micro-fluidic channel. Once measurements with the attached colloid concludes, it can be easily detached from the probe by application of a short overpressure pulse.

**Publications**


**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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