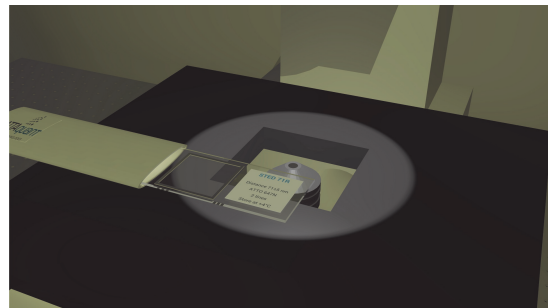


INSTRUCTION SHEET

HOW TO USE GATTAquant Nanorulers

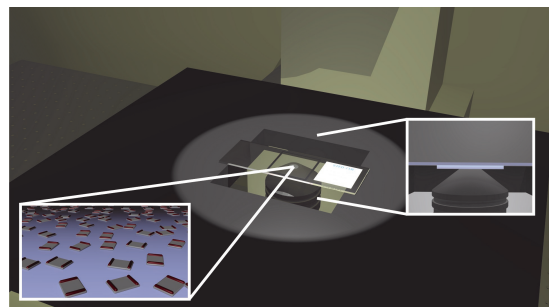
STEP 01

GATTAquant nanorulers are shipped immobilized on a coverslip and are embedded in polymer or imaging buffer.



STEP 02

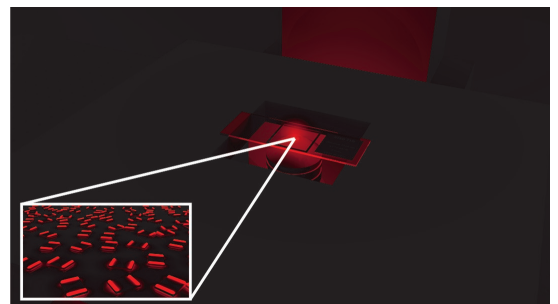
You just put the GATTAquant nanoruler sample on your microscope but make sure that the coverslip side faces the objective (right inset of the picture).



STEP 03

Switch on **laser** and **camera** and **drive carefully the objective control in one direction** until the surface is visible.

We strongly recommend approaching using the **camera** with a rather small field of view (40 μm x 40 μm or smaller). Be aware of that nanorulers are **nanoscaled** and smaller/dimmer than, for instance, stained cells, consequently approaching via the ocular is not advised.

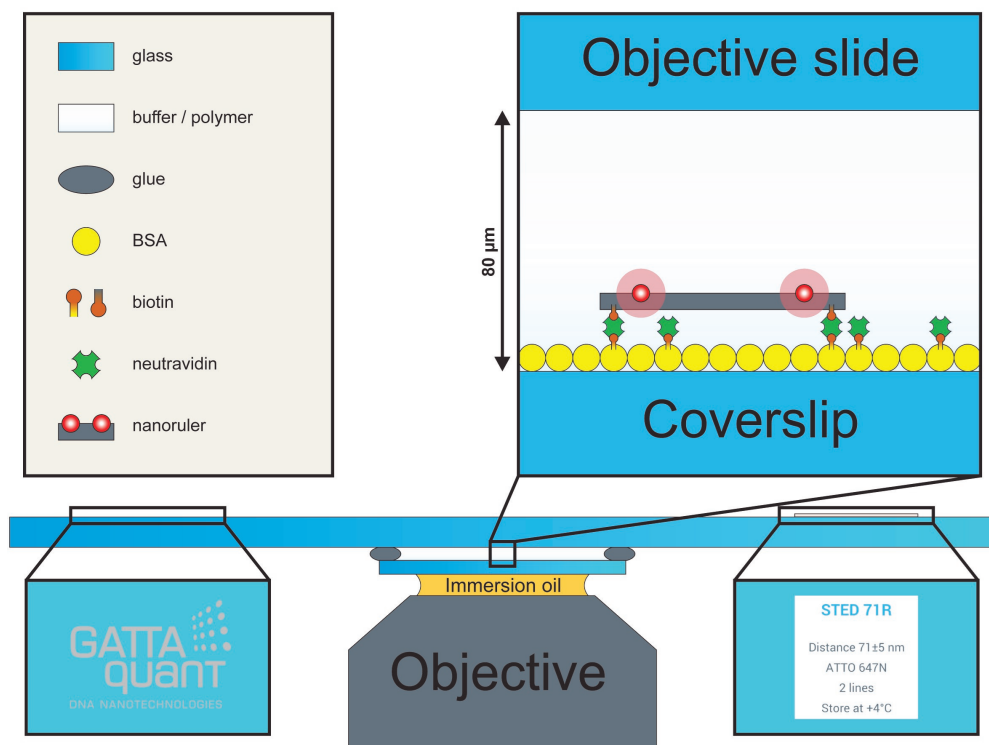


INSTRUCTION SHEET

How GATTAquant Nanorulers look like

Nanorulers are immobilized on the inner surface of the coverslip (random and unspecific binding of rulers might occur on the objective slide, too, but should not be imaged!) and show a density of around 0.5–2 rulers/ μm^2 , consequently one can expect hundreds of millions of nanorulers on one slide. They are randomly and homogeneously distributed all over the coverslip – aggregations are usually rare.

The size of the coverslip is 22 x 22 mm² based on Marienfeld High Precision #1.5 with a thickness of $(170 \pm 5) \mu\text{m}$.



MORE DETAILS



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