

Product Information

GATTA-STORM nanoruler

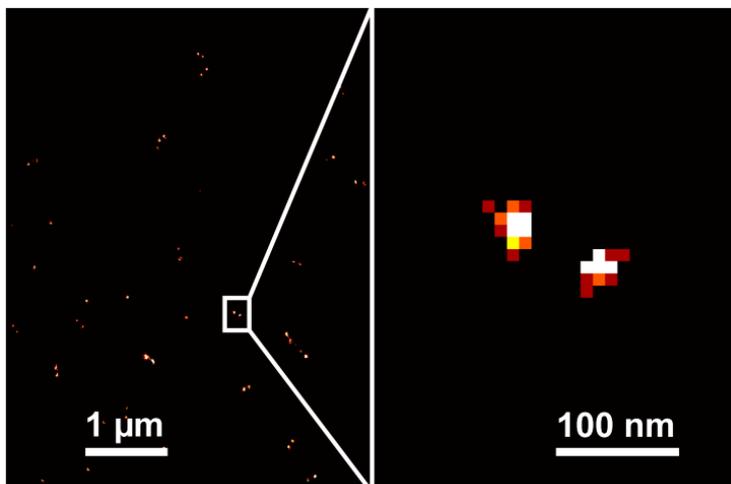
Test and push the resolution of your dSTORM microscope

The method STORM or dSTORM is one of the most common used super-resolution techniques in light microscopy. With the nanorulers from the GATTA-STORM series now the ideal calibration samples for this technology are available.

To emulate your STORM or dSTORM measurements as facsimile as possible the rulers carry the common used dye Alexa Fluor® 647. We offer the mark-to-mark distances in the sizes 30 nm, 50 nm and 94 nm. On request we can also design special solutions for your specific requirements. All samples will be delivered in solution (sufficient for at least ≥ 10 surfaces).

Please be aware of that samples in solution demand your expertise and chemical facilities and that immobilizing and buffering requires additional chemicals, which are not part of the GATTAquant product.

Recommended buffering for dSTORM is based on glucose oxidase, catalase and β -mercaptoethanol (see Rust, M. J.; Bates, M.; Zhuang, X. Sub-Diffraction-Limit Imaging by Stochastic Optical Reconstruction Microscopy (STORM). Nat Meth 2006, 3, 793–795).



GATTA-STORM 94R

Super-resolution image and zoom in of a GATTA-STORM 94R nanoruler



Product properties

GATTA-STORM nanoruler

Resolve GATTA-STORM nanorulers on your dSTORM system.



	STORM 94R	STORM 50R	STORM 30R
Color	red	red	red
Fluorophore	Alexa Fluor® 647	Alexa Fluor® 647	Alexa Fluor® 647
Recommended laser source	630–655 nm	630–655 nm	630–655 nm
Distances	94 nm	50 nm	30 nm

Need support?

Contact

In the case that you should need further assistance please feel free to contact us.
We are happy to help.

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