

**Product Information**

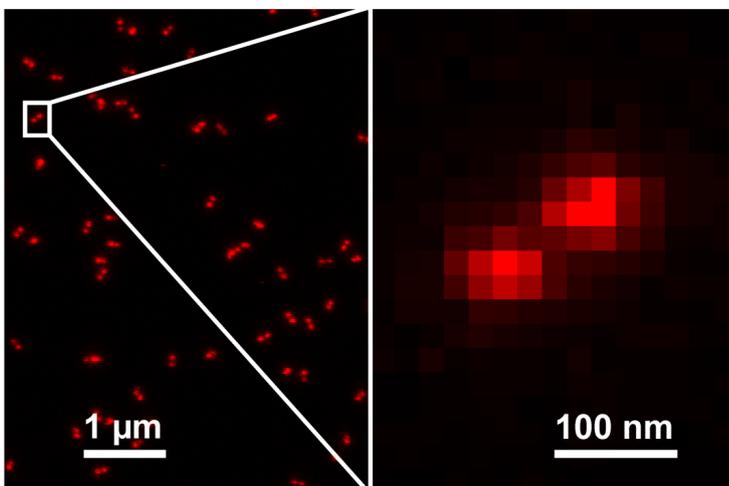
# GATTA-STED nanoruler

Test and push the resolution of your STED microscope

Being the first super-resolution microscopy technique the STED method revolutionized the light microscopy. With the nanorulers from the GATTA-STED series now adequate calibration samples are finally available.

The single color nanorulers carry two fluorescent marks out of dense arrangements of the high quantum yield dye ATTO 647N. We offer the mark-to-mark distances in the sizes 50 nm, 70 nm, 90 nm and 120 nm. In addition we offer a new design containing three emitting points with two different fluorophores which allows the acquisition of very eye-catching images. The multicolor nanoruler with three emitting points is available with the size of 140 nm (ATTO 647N & ATTO 594).

On request we can also design special solutions for your specific requirements. All probes will be delivered on a sealed glass slide which you can comfortably put directly on your microscope.



**GATTA-STED 90R**

Super-resolution image and zoom in of a GATTA-STED 90R nanoruler (measured on a PicoQuant MicroTime 200 STED System)



Product properties

# GATTA-STED nanoruler

Resolve single-color nanorulers on y our STED system.



|                                 | STED 120R                 | STED 90R                  |
|---------------------------------|---------------------------|---------------------------|
| <b>Color</b>                    | red                       | red                       |
| <b>Fluorophore</b>              | ATTO 647N                 | ATTO 647N                 |
| <b>Recommended laser source</b> | 630–650 nm                | 630–650 nm                |
| <b>Surface density</b>          | $\approx 1/\mu\text{m}^2$ | $\approx 1/\mu\text{m}^2$ |
| <b>Distance</b>                 | 120 nm                    | 90 nm                     |



|                                 | STED 70R                  | STED 50R                  |
|---------------------------------|---------------------------|---------------------------|
| <b>Color</b>                    | red                       | red                       |
| <b>Fluorophore</b>              | ATTO 647N                 | ATTO 647N                 |
| <b>Recommended laser source</b> | 630–650 nm                | 630–650 nm                |
| <b>Surface density</b>          | $\approx 1/\mu\text{m}^2$ | $\approx 1/\mu\text{m}^2$ |
| <b>Distance</b>                 | 70 nm                     | 50 nm                     |

**Product properties**

# GATTA-STED nanoruler

Resolve multicolor nanorulers on your STED system.



|                                 |                                    |
|---------------------------------|------------------------------------|
|                                 | <b>STED 140ROR</b>                 |
| <b>Color</b>                    | red - orange - red                 |
| <b>Fluorophore</b>              | ATTO 647N<br>ATTO 594              |
| <b>Recommended laser source</b> | 630–650 nm<br>565–610 nm           |
| <b>Surface density</b>          | ≈ 1/μm <sup>2</sup>                |
| <b>Distance</b>                 | red–orange 70 nm<br>red–red 140 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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