

Product Information

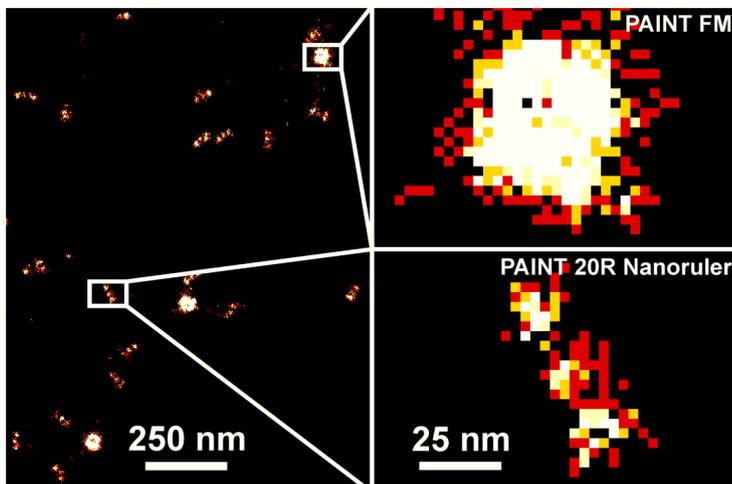
GATTA-PAINT HiRes

Verify the resolution of your localization-based microscope with precise and reliable drift correction.

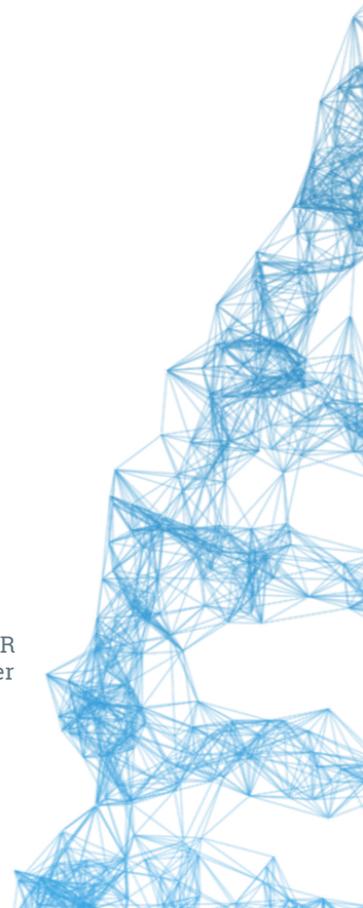
Nanorulers from the GATTA-PAINT HiRes series serve all advantages of the classical GATTA-PAINT nanorulers. Additionally, they include special DNA-PAINT based fiducial markers for a precise and reliable drift correction. These fiducial markers outclass common fiducial markers based on fluorescent beads by having a stable connection to the surface and emitting a signal which does neither bleach nor exceed the detector's dynamic range.

For the GATTA-PAINT HiRes nanorulers we offer the mark-to-mark distances in the sizes 20 nm, 40 nm and 80 nm. Each size is available in the colors red (ATTO 655) or green (ATTO 542).

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



GATTA-PAINT HiRes 20R
Super-resolution image and zoom in of a GATTA-PAINT 20R nanoruler with fiducial marker



Product properties

GATTA-PAINT nanoruler

Nanoruler with fiducial marker for any common type of localization based super-resolution microscopy



	PAINT HiRes 80R	PAINT HiRes 80G
Color	red	green
Fluorophore	ATTO 655	ATTO 542
Recommended laser source	625–665 nm	530–560 nm
Surface density Fiducial Marker	$\approx 0,1/\mu\text{m}^2$	$\approx 0,1/\mu\text{m}^2$
Surface density PAINT nanoruler	$\approx 1/\mu\text{m}^2$	$\approx 1/\mu\text{m}^2$
Distance	2x 80 nm	2x 80 nm



	PAINT HiRes 40R	PAINT HiRes 40G
Color	red	green
Fluorophore	ATTO 655	ATTO 542
Recommended laser source	625–665 nm	530–560 nm
Surface density Fiducial Marker	$\approx 0,1/\mu\text{m}^2$	$\approx 0,1/\mu\text{m}^2$
Surface density PAINT nanoruler	$\approx 1/\mu\text{m}^2$	$\approx 1/\mu\text{m}^2$
Distance	2x 40 nm	2x 40 nm

Product properties

GATTA-PAINT nanoruler

Nanoruler with fiducial marker for any common type of localization based super-resolution microscopy



	PAINT HiRes 20R	PAINT HiRes 20G
Color	red	green
Fluorophore	ATTO 655	ATTO 542
Recommended laser source	625–665 nm	530–560 nm
Surface density Fiducial Marker	$\approx 0,1/\mu\text{m}^2$	$\approx 0,1/\mu\text{m}^2$
Surface density PAINT nanoruler	$\approx 1/\mu\text{m}^2$	$\approx 1/\mu\text{m}^2$
Distance	2x 20 nm	2x 20 nm

Need support?

Contact

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

GATTAquant GmbH

Lochamer Schlag 11
DE - 82166 Gräfelfing

T +49 (0)89 2153 720 80

M info@gattaquant.com

gattaquant.com

