



Product Information

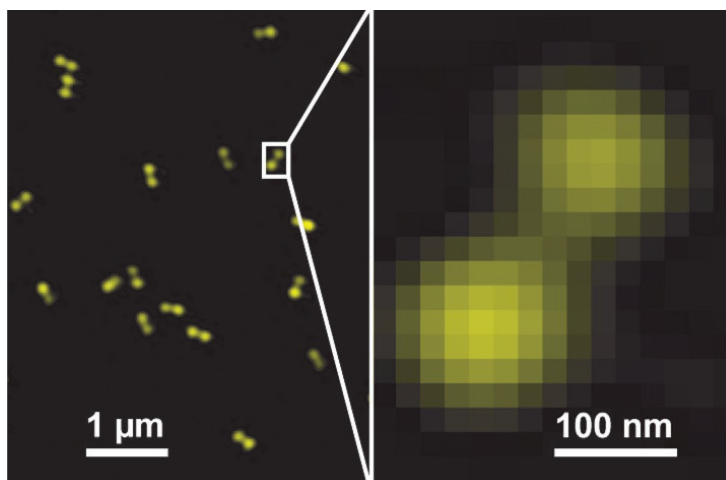
# GATTA-SIM nanoruler

Test and push the resolution of your SIM system

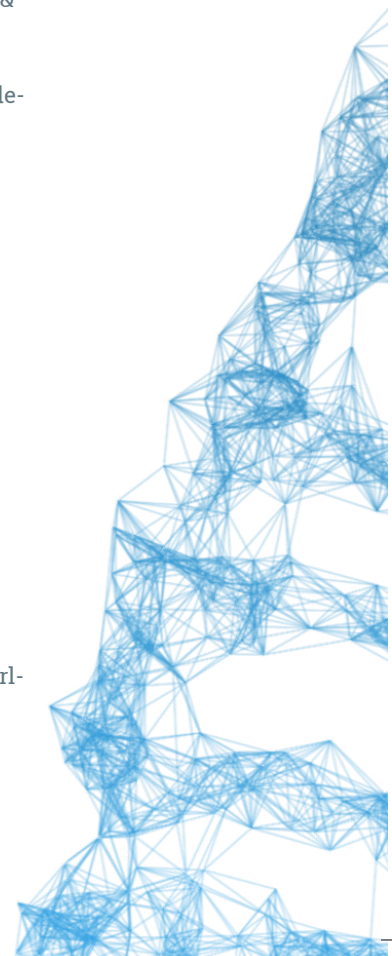
Nanorulers from the GATTA-SIM series are the perfect samples to verify the resolution of your SIM system. The single color nanorulers carry two fluorescent marks out of dense arrangements of high quantum yield dye molecules. In addition we offer a new design containing three emitting points with two different fluorophores which allows the acquisition of very eye-catching images.

The mark-to-mark distances of the single color GATTA-SIM nanorulers are available in the sizes 120 nm, 140 nm and 160 nm. We offer you the 160nm size in the colors red (ATTO 647N), yellow (Alexa Fluor® 568) or blue (Alexa Fluor® 488). The 140 nm size is available in the colors yellow and blue and the 120nm size is only available in blue. The multicolor nanorulers with three emitting points are available in the sizes 140 nm (Alexa Fluor 568 & Alexa Fluor 488) and 160 nm (ATTO 647N & Alexa Fluor 568 or ATTO 647N & Alexa Fluor 488).

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-SIM 160Y**  
Super-resolution Image and zoom in of GATTA-SIM 160Y Nanoruler (measured on a Carl-Zeiss Elyra system)



Product properties

## GATTA-SIM nanoruler

Resolve single-color nanorulers on your SIM system.



	SIM 160R	SIM 160Y	SIM 160B
Color	red	yellow	blue
Fluorophore	ATTO 647N	Alexa Fluor® 568	Alexa Fluor® 488
Recommended laser source	630–650 nm	540–585 nm	480–505 nm
Surface density	≈ 1/μm <sup>2</sup>	≈ 1/μm <sup>2</sup>	≈ 1/μm <sup>2</sup>
Distance	160 nm	160 nm	160 nm



	SIM 140Y	SIM 140B	SIM 120B
Color	yellow	blue	blue
Fluorophore	Alexa Fluor® 568	Alexa Fluor® 488	Alexa Fluor® 488
Recommended laser source	540–585 nm	480–505 nm	480–505 nm
Surface density	≈ 1/μm <sup>2</sup>	≈ 1/μm <sup>2</sup>	≈ 1/μm <sup>2</sup>
Distance	140 nm	140 nm	120 nm

Product properties

## GATTA-SIM nanoruler

Resolve multicolor nanorulers on y our SIM system.



	SIM 160RYR	SIM 160RBR	SIM 140YBY
Color	red - yellow - red	red - blue - red	yellow - blue - yellow
Fluorophore	ATTO 647N Alexa Fluor® 568	ATTO 647N Alexa Fluor® 488	Alexa Fluor® 568 Alexa Fluor® 488
Recommended laser source	630–650 nm 540–585 nm	630–650 nm 480–505 nm	540–585 nm 480–505 nm
Surface density	≈ 1/μm <sup>2</sup>	≈ 1/μm <sup>2</sup>	≈ 1/μm <sup>2</sup>
Distances	red–yellow 80 nm red–red 160 nm	red–blue 80 nm red–red 160 nm	yellow–blue 70 nm yellow–yellow 140nm

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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