

GATTAquant GmbH

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GATTA-Brightness

Product information:

The GATTA-Brightness series are nanoscopic standardized point light sources for diffraction limited imaging, which can be used as brightness standards to quantify microscope sensitivities and to relate emission intensities to absolute numbers of fluorescent molecules. Therefore each standard carries a defined number of molecules of the fluorescent dye ATTO 647N. They are available in the brightness levels 9, 18 and 24, related to the total number of attached dye molecules.

On request we can also design special solutions for your specific requirements. The probes will be delivered in standard buffer or on glass-slide.

Product properties:

B 9R

B 18R

B 24R



	Brightness 9R	Brightness 18R	Brightness 24R
Color	red	red	red
Fluorophore	ATTO 647N	ATTO 647N	ATTO 647N
Recommended laser source	630–650 nm	630–650 nm	630–650 nm
Buffer	0.5 TBE, 11 mM Mg	0.5 TBE, 11 mM Mg	0.5 TBE, 11 mM Mg
Number of dyes	9 ± 1	18 ± 2	24 ± 4
Volume*	20 µl	20 µl	20 µl

*Volume is sufficient for 10 samples.

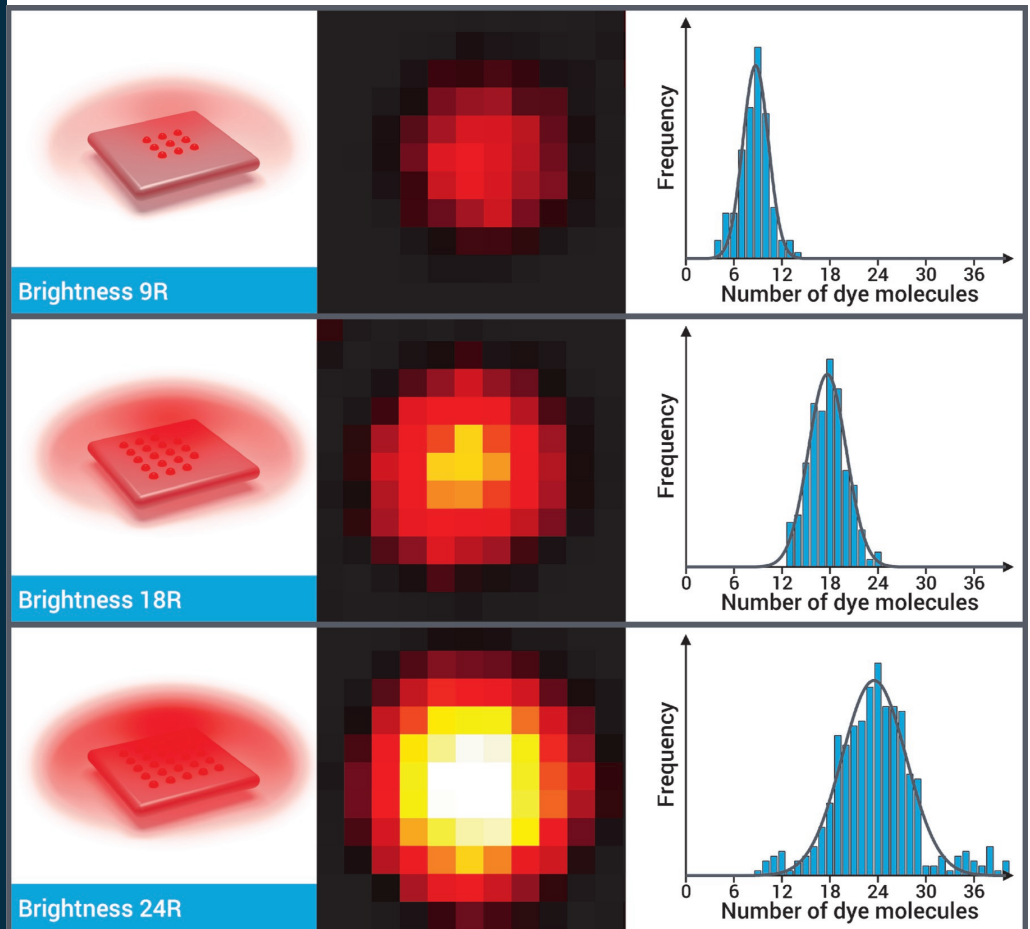
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GATTAquant recommends the use of dye stabilizing and oxygen scavenging systems like TROLOX supplemented with glucose oxidase.
For supply, instructions or questions contact info@gattaquant.com.