

Nano-NV Diamond

Nanodiamond powders with defined particle sizes and NV densities.

ViQium™ Nano-NV Diamonds offer high biocompatibility, easy functionalization, and strong fluorescence for super-resolution bioimaging, intracellular quantum sensing, miniaturized magnetometry and thermometry, and security applications.



Product Parameters

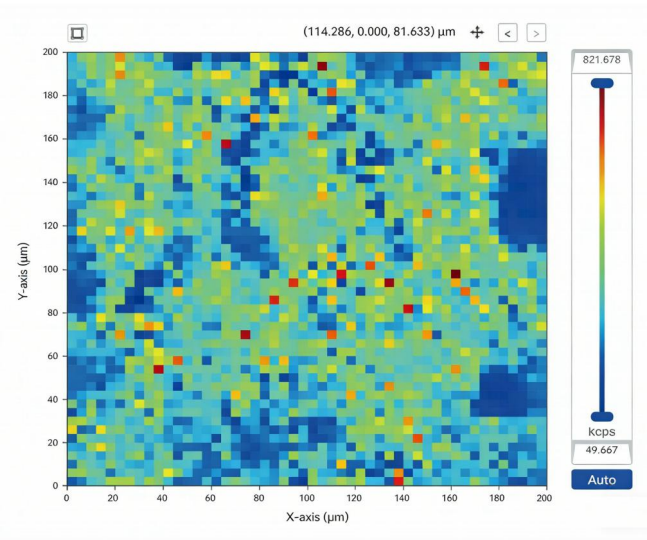


Fig 1. Confocal Fluorescence Image of Nano-NV Diamond

Quantum Performance	Values
Center Type NV Density	Ensemble ~ 1 – 20 ppm
Note: NV density measured using ODMR system.	

Geometric Properties	Values
Standard Particle Size Solvent Mixture	10 μm, 20 μm, 50 μm, 30 nm, 50 nm, 100 nm Deionized water / NMP / Glycerol / DMSO / Ethylene Glycol / Polyolefin

ViQium™ Nano-NV Diamond

No.	Product Code	Particle Size	NV Density
1	MDP-NV-10-10X	~ 10 μm	~ 10 ppm
2	MDP-NV-20-10X	~ 10 μm	~ 20 ppm
3	MDP-NV-10-20X	~ 20 μm	~ 10 ppm
4	MDP-NV-20-20X	~ 20 μm	~ 20 ppm
5	MDP-NV-20-50X	~ 50 μm	~ 20 ppm
6	NDP-NV-01-30	~ 30 nm	~ 1 ppm
7	NDP-NV-02-30	~ 30 nm	~ 2 ppm
8	NDP-NV-01-50	~ 50 nm	~ 1 ppm
9	NDP-NV-03-100	~ 100 nm	~ 3 ppm

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