

DiagNano™ Blue Fluorescent, Carboxyl Silica Particles, 200 nm

Cat.No: DNG-L090

DESCRIPTION

Description	200 nm fluorescent silica particles with carboxylic acid groups (COOH) on the surface. Fluorescence dyes are covalently bound in the silica matrix and available with blue fluorescence (excitation: 354 nm, emission: 450 nm).
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APPLICATION

Application Notes	Fluorescent silica particles with carboxylic acid groups (COOH) on the surface are suitable for the covalent binding of proteins, antibodies, oligonucleotides, enzymes or other molecules.
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PRODUCT INFORMATION

Polydispersity Index	< 0.2
Diameter	200 nm
Functional Group	Carboxyl
Concentration	25 mg/mL
Number of Particles	3.0E+12 particles/mL
Absorption Max	354 nm
Emission Max	450 nm
Surface Group Density	1 µmol/g
Density	2.0 g/ccm

STORAGE AND SHIPPING

Storage Buffer	Suspension in water
Stability	Stable in aqueous buffers, organic solvents. Not stable in hydrofluoric acid, strong basic media, e.g. 6 M NaOH.
Storage	Storage at room temperature. Do not freeze!