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DiagNano™ Red Fluorescent, Carboxyl Silica Particles, 1 µm

Cat.No: DNG-L098

DESCRIPTION

Description 1 µm fluorescent silica particles with carboxylic acid groups (COOH) on the surface. Fluorescence dyes are covalently bound in the silica matrix and available with red fluorescence (excitation: 569 nm, emission: 585 nm).

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.

PRODUCT INFORMATION

Polydispersity Index	< 0.2
Diameter	1 µm
Functional Group	Carboxyl
Concentration	50 mg/mL
Number of Particles	4.8E+10 particles/mL
Absorption Max	569 nm
Emission Max	585 nm
Surface Group Density	2 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!
