

DiagNano™ Green Fluorescent, Amine Silica Particles, 1.5 µm

Cat.No: DNG-L062

DESCRIPTION

Description 1.5 µm fluorescent silica particles with amino groups (NH₂) on the surface. Fluorescence dyes are covalently bound in the silica matrix and available with green fluorescence (excitation: 485 nm, emission: 510 nm).

APPLICATION

Application Notes Fluorescent silica particles with amino groups (NH₂) on the surface are suitable for the covalent binding of proteins, antibodies, oligonucleotides, enzymes or other molecules.

PRODUCT INFORMATION

Polydispersity Index	< 0.2
Diameter	1.5 µm
Functional Group	Amine
Concentration	50 mg/mL
Number of Particles	1.4E+10 particles/mL
Absorption Max	485 nm
Emission Max	510 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!