

DiagNano™ Blue Fluorescent, Carboxyl Silica Particles, 10 µm

Cat.No: DNG-L113

DESCRIPTION

Description 10 µm 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).

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

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| Diameter | 10 µm |
| Functional Group | Carboxyl |
| Concentration | 50 mg/mL |
| Number of Particles | 5.3E+7 particles/mL |
| Absorption Max | 354 nm |
| Emission Max | 450 nm |
| Surface Group Density | 4 µmol/g |
| Density | 1.8 g/ccm |

STORAGE AND SHIPPING

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| 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! |