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## **Product Information – screenCORE-Silanol**

Product: screenCORE-Silanol (Fluorescent Beads)

Article Number: 6107-1 (1 ml); 6107-5 (5 ml)

Description: Aqueous dispersion of fluorescent silica particles

Application:

Lot Number:

**Production Date:** 

Weight of Volume: 50 mg/ml

Matrix: Silica, high-porous

Size (hydrodynamic diameter): 1.0 µm

Number of Particles:  $\sim 1.8 \times 10^{12} / \text{g}$ Surface Area:  $\sim 100 \text{ m}^2 / \text{g}$ Density:  $\sim 2.25 \text{ g/cm}^3$ Functional Group: Silanol, -OH

В GQ **GF** GA G screenCORE/ blue Fluorescence Color: green green green green 400 nm 423 nm 436 nm 460 nm 502 nm Excitation: 420 nm 503 nm 520 nm 550 nm 525 nm Emission:

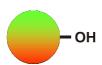
screenCORE/ RR R Fluorescence Color: orange orange red red orange 540 nm 633 nm 510 nm 526 nm 536 nm Excitation: 595 nm 555 nm 617 nm 625 nm 672 nm Emission:

Autoclaved: Yes Storage Buffer / Solution: ddH<sub>2</sub>O

Storage: At 4 – 8 °C. **Do not freeze! PROTECT FROM LIGHT!** 

Expiry Date: Two years after production date.

Note: For complete resuspension vortex thoroughly!



**NOTE:** The fluorescence of the screenMAG particles is only detectable on the same side where the excitation takes place.

Please note that there is a difference in fluorescence observation between dissolved fluorescence molecules and solid fluorescence particles. Fluorescence spectrophotometer with a fluorescence detection unit with an angle of 90° to the excitation source will detect no or only weak fluorescence signals.