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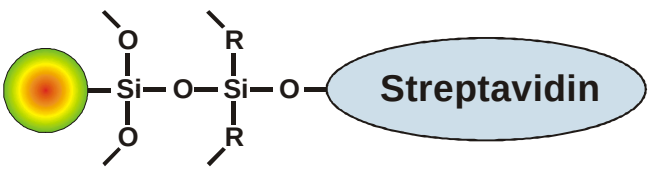
Product Information – screenMAG/O-Streptavidin

Product:	**screenMAG/O-Streptavidin (Magnetic Fluorescent Beads)**
Article Number:	2205-1 (1 ml) ; 2205-5 (5 ml)
Description:	Aqueous dispersion of magnetic fluorescent silica particles
Application:	For isolation of biotin labeled molecules; see protocol: B1
Lot Number:	0701/10
Production Date:	January 2010
Weight of Volume:	10 mg/ml
Core:	Maghemite
Matrix:	Silica, non-porous
Size (hydrodynamic diameter):	1.0 µm
Number of Particles:	1.8 x 10^{12}/g
Surface Area:	~ 50 m^2/g
Density:	~ 2.25 g/cm^3
Type of Magnetization:	Superparamagnetic
Functional Group:	Streptavidin
Binding Capacity:	80 pmol/mg biotinylated protein, 150 pmol/mg biotinylated oligonucleotide
screenMAG/ Fluorescence Color: Excitation: Emission:	**O** **orange** 526 nm 555 nm
Autoclaved:	No
Storage Buffer / Solution:	PBS, 0.05 % sodium azide
Storage:	At 4 – 8 °C. **Do not freeze!** **PROTECT FROM LIGHT!**
Expiry Date:	Six months 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.