

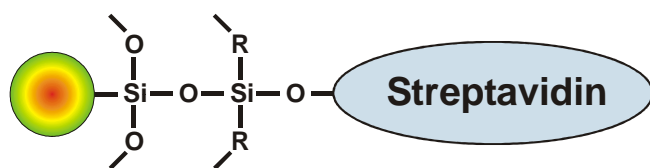
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**Product Information – screenMAG/-Streptavidin**

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Product:	<b>screenMAG/-Streptavidin (Magnetic Fluorescent Beads)</b>					
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:						
Production Date:						
Weight of Volume:	10 mg/ml					
Core:	Maghemite					
Matrix:	Silica, non-porous					
Size (hydrodynamic diameter):	1.0 µm					
Number of Particles:	$1.8 \times 10^{12}/g$					
Surface Area:	~ 50 m <sup>2</sup> /g					
Density:	~ 2.25 g/cm <sup>3</sup>					
Type of Magnetization:	Superparamagnetic					
Functional Group:	Streptavidin					
Binding Capacity:	80 pmol/mg biotinylated protein, 150 pmol/mg biotinylated oligonucleotide					
screenMAG/ Fluorescence Color:	<b>B</b> <b>blue</b>	<b>G</b> <b>green</b>	<b>O</b> <b>orange</b>	<b>OP</b> <b>orange</b>	<b>RR</b> <b>red</b>	<b>R</b> <b>red</b>
Excitation:	400 nm	502 nm	526 nm	536 nm	540 nm	633 nm
Emission:	420 nm	525 nm	555 nm	617 nm	625 nm	672 nm
Autoclaved:	No					
Storage Buffer / Solution:	PBS, 0.05 % sodium azide					
Storage:	At 4 – 8 °C. <b>Do not freeze!</b> <b>PROTECT FROM LIGHT!</b>					
Expiry Date:	Six months after production date.					
<b>Note:</b>	<b>For complete resuspension vortex thoroughly!</b>					

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**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.