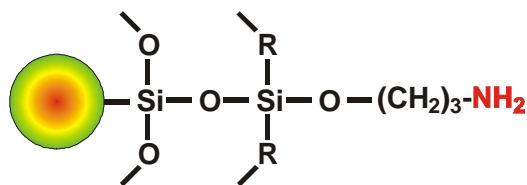


---

**Product Information – screenMAG-Amine**

---

Product:	<b>screenMAG-Amine (Magnetic-Fluorescent Beads)</b>					
Article Number:	2101-1 (1 ml); 2101-5 (5 ml)					
Description:	Aqueous dispersion of magnetic fluorescent silica particles					
Application:	For covalent coupling of biomolecules; see protocol A2/3					
Lot Number:						
Production Date:						
Weight of Volume:	50 mg/ml					
Core:	Maghemite					
Matrix:	Silica, non-porous					
Size (hydrodynamic diameter):	0.5 µm	0.75 µm	1.0 µm			
Number of Particles:	~ 1.5 x 10 <sup>13</sup> /g	4.2 x 10 <sup>12</sup> /g	1.8 x 10 <sup>12</sup> /g			
Surface Area:	~ 50 m <sup>2</sup> /g					
Density:	~ 2.25 g/cm <sup>3</sup>					
Type of Magnetization:	Superparamagnetic					
Functional Group:	Amine, -NH <sub>2</sub>					
Amination Degree:	~ 350 µmol NH <sub>2</sub> /g					
screenMAG/ Fluorescence Color:	<b>B</b> blue	<b>G</b> green	<b>O</b> orange	<b>OP</b> orange	<b>RR</b> red	<b>R</b> red
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:	Yes					
Storage Buffer / Solution:	ddH <sub>2</sub> O					
Storage:	At 4 – 8 °C. <b>Do not freeze!</b> <b>PROTECT FROM LIGHT!</b>					
Expiry Date:	Two years after production date.					
<b>Note:</b>	<b>For complete resuspension vortex thoroughly!</b>					



**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.