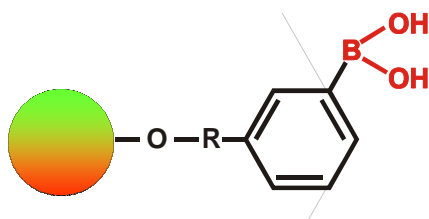


## Product Information – screenCORE-Boronic acid

Product:	<b>screenCORE-Boronic acid (Fluorescent Beads)</b>				
Article Number:	6207-1 (1 ml); 6207-5 (5 ml)				
Description:	Aqueous dispersion of fluorescent silica particles				
Application:	For binding of ribonucleotides and sugars via cis diols				
Lot Number:					
Production Date:					
Weight of Volume:	10 mg/ml				
Matrix:	Silica, high-porous				
Size (hydrodynamic diameter):	1.0 $\mu\text{m}$				
Number of Particles:	$\sim 1.8 \times 10^{12}/\text{g}$				
Surface Area:	$\sim 100 \text{ m}^2/\text{g}$				
Density:	$\sim 2.25 \text{ g}/\text{cm}^3$				
Functional Group:	Boronic acid				
screenCORE/ Fluorescence Color:	<b>B</b> blue	<b>GQ</b> green	<b>GF</b> green	<b>GA</b> green	<b>G</b> green
Excitation:	400 nm	423 nm	436 nm	460 nm	502 nm
Emission:	420 nm	503 nm	520 nm	550 nm	525 nm
screenCORE/ Fluorescence Color:	<b>OE</b> orange	<b>O</b> orange	<b>OP</b> orange	<b>RR</b> red	<b>R</b> red
Excitation:	510 nm	526 nm	536 nm	540 nm	633 nm
Emission:	595 nm	555 nm	617 nm	625 nm	672 nm
Autoclaved:	No				
Storage Buffer / Solution:	ddH <sub>2</sub> O, 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>				



**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.