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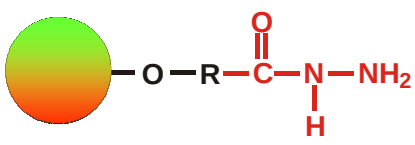
Product Information – screenCORE-Hydrazide

Product:	**screenCORE-Hydrazide (Fluorescent Beads)**
Article Number:	6104-1 (1 ml); 6104-5 (5 ml)
Description:	Aqueous dispersion of fluorescent silica particles
Application:	Binding for aldehyde- or ketone-containing molecules, oxidized sugars or glycoproteins in particular
Lot Number:	
Production Date:	
Weight of Volume:	50 mg/ml
Matrix:	Silica, high-porous
Size (hydrodynamic diameter):	1.0 µm
Number of Particles:	~ 1.8 x 10^{12}/g
Surface Area:	~ 100 m^2/g
Density:	~ 2.25 g/cm^3
Functional Group:	Hydrazide, -CO-NH-NH_2

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

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

Autoclaved:	Yes
Storage Buffer / Solution:	ddH_2O
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.