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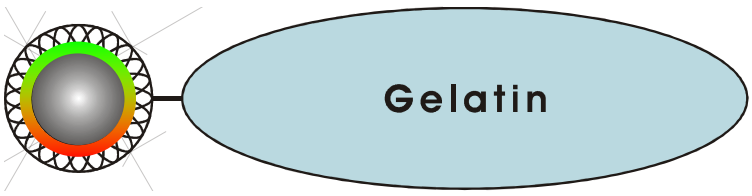
Product Information – nano-screenMAG-Gelatin

Product:	**nano-screenMAG-Gelatin**				
Article Number:	4507-1 (1 ml); 4507-5 (5 ml)				
Description:	Aqueous dispersion of magnetic fluorescent nanoparticles				
Application:	For purification or binding of fibronectin				
Weight of Volume:	10 mg/ml (standard 10 mg/ml)				
Lot:					
Production Date:					
Core:	Magnetite				
Matrix:	Gelatin				
Size (hydrodynamic diameter):	100 nm		150 nm		200 nm
Number of Particles:	~ 1.8 x 10^{15}/g		~ 5.2 x 10^{14}/g		~ 2.2 x 10^{14}/g
Density:	~ 1.25 g/cm^3				
Type of Magnetization:	Superparamagnetic				
Functional Group:	Gelatin				
nano-screenMAG/ Fluorescence Color:	**B** **blue**	**G** **green**	**O** **orange**	**P** **pink**	**R** **red**
Excitation:	378 nm	476 nm	524 nm	547 nm	578 nm
Emission:	413 nm	490 nm	539 nm	581 nm	613 nm
Storage Buffer:	Sterile water (ddH_2O)				
Autoclaved:	Yes				
Storage:	At 4 – 8 ℃. **Do not freeze!** **PROTECT FROM LIGHT!**				
Expiry date:	One year after production date				



NOTE: The fluorescence of the nano-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.