
Product Information – SiMAG-Protein G

Product:	SiMAG-Protein G
Article Number:	1516-1 (1 ml); 1516-5 (5 ml)
Description:	Aqueous dispersion of magnetic silica particles
Application:	Strong binding affinity to the Fc region of IgGs; see protocol: B2
Weight of Volume:	10 mg/ml
Production Date:	
Lot:	
Core:	Maghemite
Matrix:	Silica, non-porous
Size approx.:	1 μm
Number of Particles:	$\sim 1.8 \times 10^{12}/\text{g}$
Surface Area:	$\sim 50 \text{ m}^2/\text{g}$
Density:	$\sim 2.25 \text{ g}/\text{cm}^3$
Type of Magnetization:	Superparamagnetic
Functional Group:	Protein G
Binding capacity:	4 – 6 mg human IgG / ml
Autoclaved:	No
Storage Buffer:	PBS, 0.05 % sodium azide
Storage:	At 4 – 8 °C. Do not freeze!
Expiry date:	Six months after production date
Note:	For complete resuspension vortex thoroughly!

