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## Product Information – SiMAG-Amine

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Product:	<b>SiMAG-Amine</b>		
Article Number:	1401-1 (1 ml); 1401-5 (5 ml)		
Description:	Aqueous dispersion of magnetic 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		
Autoclaved:	Yes		
Storage Buffer / Solution:	ddH <sub>2</sub> O		
Storage:	At 4 – 8 °C. <b>Do not freeze!</b>		
Expiry Date:	Two years after production date.		
<b>Note:</b>	<b>For complete resuspension vortex thoroughly!</b>		

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