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**Product Information – SiMAG-PVPY**

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Product:	<b>SiMAG-PVPY</b>		
Article Number:	1207-1 (1 ml); 1207-1 (5 ml)		
Description:	Aqueous dispersion of magnetic silica particles		
Application:	For binding of enzymes		
Lot Number:			
Production Date:			
Weight of Volume:	50 mg/ml		
Core:	Maghemite		
Matrix:	Silica, non-porous		
Size (hydrodynamic diameter):	0.5 $\mu\text{m}$	0.75 $\mu\text{m}$	1.0 $\mu\text{m}$
Number of Particles:	$\sim 1.5 \times 10^{13}/\text{g}$	$4.2 \times 10^{12}/\text{g}$	$1.8 \times 10^{12}/\text{g}$
Surface Area:	$\sim 50 \text{ m}^2/\text{g}$		
Density:	$\sim 2,25 \text{ g}/\text{cm}^3$		
Type of Magnetization:	Superparamagnetic		
Functional Group:	Poly(4-vinylpyridine)		
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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