



## TECHNICAL DATA SHEET

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<b>Product code:</b>	09-18-502
<b>Product name:</b>	nanomag@-D
<b>Surface:</b>	avidin
<b>Size:</b>	500 nm
<b>Solid content:</b>	10 mg/ml
<b>Composition:</b>	dextran iron oxide composite particles
<b>Polydispersity index:</b>	< 0.200
<b>Shape:</b>	cluster-typed
<b>Density:</b>	3.0 g/ccm
<b>Magnetization:</b>	47 Am <sup>2</sup> /kg iron (H = 80 kA/m)
<b>Saturation magnetization:</b>	>70 Am <sup>2</sup> /kg iron (H > 800 kA/m)
<b>Coercive field H<sub>c</sub>:</b>	0.677 kA/m
<b>Stable in:</b>	aqueous buffers pH > 4
<b>Not stable in:</b>	organic solvents, acidic solutions pH < 4
<b>Product form:</b>	Suspension in PBS (0.02 % sodium azide)
<b>Particles per ml:</b>	5.1 E10
<b>Particles per mg:</b>	5.1 E9
<b>Colour:</b>	dark brown
<b>Additional remarks:</b>	Storage at 2 - 8 °C for 3 months.