



micromod Partikeltechnologie GmbH

Friedrich-Barnewitz-Str. 4
D-18119 Rostock
Germany

Phone: +49 381 / 54 34 56 10
Fax: +49 381 / 54 34 56 20
E-mail Address: info@micromod.de

Technical Data Sheet

Product-No.:	09-26-502
Product-Name:	nanomag® -D
Surface:	biotin
Size:	500 nm
Solid content:	10 mg/ml
Quantity:	2 ml
Composition:	dextran iron oxide composite particles
Polydispersity Index:	< 0.2
Shape:	cluster-typed
Density:	3.0 g/ccm
Magnetization:	47 emu/g iron (H =1000 Oe)
Saturation Magnetization:	>70 emu/g iron (H > 10.000 Oe)
Coercive Field Hc:	0.677 kA/m
Stable in:	aqueous buffers pH > 4
Not stable in:	organic solvents, acidic solutions pH < 4
Product Form:	aqueous suspension
Particles per ml:	6.1*10E10
Particles per mg:	6.1*10E9
Additional Remarks:	Storage at 2 - 8°C for 6 months