

# micromod Partikeltechnologie GmbH

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

fon: +49 381 / 54 34 56 10  
fax: +49 381 / 54 34 56 20  
e-mail: info@micromod.de



## Technical Datasheet

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Product-No.:	<b>09-18-252</b>
Product-Name:	<b>nanomag® -D</b>
surface:	<b>avidin</b>
size:	<b>250 nm</b>
solid content:	<b>10 mg/ml</b>
quantity:	<b>5 ml</b>
Polydispersity index:	< 0.2
Shape:	cluster-typed
Density:	2.5 g/ccm
Magnetization:	43 emu/g particles (H =1000 Oe)
Saturation magnetization:	>67 emu/g particles (H > 10.000 Oe)
Stable in:	aqueous buffers pH > 4
Not stable in:	organic solvents, acidic solutions pH < 4
Product form:	suspension in PBS buffer (pH = 7.4), stabilized in 0.02 % sodium azide
Particles per ml:	4.9*10E11
Particles per mg:	4.9*10E10
Protein binding capacity:	1.5 - 2.0 µg avidin / mg particle (400 - 450 molecules avidin per particle)
Additional remarks:	Storage at 2 - 8°C for 3 months