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Technical Datasheet

Product-No.:	09-20-132
Product-Name:	nanomag® -D
surface:	proteinA
size:	130 nm
solid content:	10 mg/ml
quantity:	1 ml
Polydispersity index:	< 0.2
Shape:	cluster-typed
Density:	3.0 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:	2.9*10E12
Particles per mg:	2.9*10E11
Protein binding capacity:	1.5 - 2.0 µg protein A / mg particle (100 molecules protein A per particle)
Additional remarks:	Storage at 2 - 8°C for 3 months