TECHNICAL DATA SHEET

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Product code: 09-19-132
Product name: nanomag®-D
Surface: streptavidin
Size: 130 nm
Solid content: 10 mg/ml
Composition: dextran iron oxide composite particles
Polydispersity index: < 0.2
Shape: cluster-typed
Density: 2.5 g/ccm
Magnetization: 53 Am^2/kg iron (H = 80 kA/m)
Saturation magnetization: >75 Am^2/kg iron (H > 800 kA/m)
Coercive field Hc: 0.444 kA/m
Stable in: aqueous buffers pH > 4
Not stable in: organic solvents, acidic solutions pH < 4
Product form: Suspension in PBS (0.02 % sodium azide)
Particles per ml: 3.5 E12
Particles per mg: 3.5 E11
Protein binding capacity: 1.5 - 2.0 µg streptavidin / mg particle (60 - 70 molecules streptavidin per particle)
Colour: dark brown
Additional remarks: Storage at 2 - 8 °C for 3 months.