Product code: 09-21-502
Product name: nanomag®-D
Surface: albumin (BSA)
Size: 500 nm
Solid content: 10 mg/ml
Composition: dextran iron oxide composite particles
Polydispersity index: < 0.2
Shape: cluster-typed
Density: 3.0 g/ccm
Magnetization: 47 Am^2/kg iron (H = 80 kA/m)
Saturation magnetization: >70 Am^2/kg iron (H > 800 kA/m)
Coercive field Hc: 0.677 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: 5.1 E10
Particles per mg: 5.1 E9
Protein binding capacity: 1.5-2.0 µg albumin (BSA) / mg particle
Colour: dark brown
Additional remarks: Storage at 2 - 8 °C for 3 months.