Product code: 09-02-132
Product name: nanomag®-D
Surface: COOH
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 water
Particles per ml: 3.5 E12
Particles per mg: 3.5 E11
Surface charge density: 2 µmol/g
Protein binding capacity: 1.5 - 2.0 µg albumin (BSA) / mg particle (50 - 60 molecules albumin per particle)
Colour: dark brown
Additional remarks: Storage at 2 - 8 °C for 6 months.