



TECHNICAL DATA SHEET

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Product code:	102-19-132
Product name:	perimag®
Surface:	streptavidin
Size:	130 nm
Solid content:	5 mg/ml
Composition:	dextran iron oxide composite particles
Polydispersity index:	< 0.25
Shape:	cluster-typed
Density:	1.4 g/ccm
Iron concentration:	2.5 mg/ml
Magnetization:	76 Am ² /kg iron (H = 80 kA/m)
Saturation magnetization:	>87 Am ² /kg iron (H > 800 kA/m)
Coercive field H_c:	0.5 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:	3.1 E12
Particles per mg:	6.2 E11
Protein binding capacity:	1.5 - 2.0 µg streptavidin / mg particle (ca. 10 molecules streptavidin per particle)
Colour:	dark brown
Additional remarks:	Storage at 2 - 8 °C for 3 months.