



micromod Partikeltechnologie GmbH

Friedrich-Barnewitz-Str. 4
D-18119 Rostock
Germany

Phone: +49 381 / 54 34 56 10
Fax: +49 381 / 54 34 56 20
E-mail Address: info@micromod.de

Technical Data Sheet

Product-No.:	10-19-801
Product-Name:	BNF-Starch
Surface:	streptavidin
Size:	80 nm
Solid content:	10 mg/ml
Quantity:	1 ml
Composition:	cross-linked starch iron oxide composite particles
Polydispersity Index:	< 0.2
Shape:	cluster-typed
Density:	3.2 g/ccm
Magnetization:	49 emu/g iron (H =1000 Oe)
Saturation Magnetization:	>76 emu/g iron (H > 10.000 Oe)
Coercive Field Hc:	0.449 kA/m
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:	1.2*10E13
Particles per mg:	1.2*10E12
Protein Binding Capacity:	1.5 - 2.0 µg streptavidin / mg particle
Additional Remarks:	The particle matrix consists of crosslinked hydroxyethyl starch. Storage at 2 - 8°C for 6 months