



TECHNICAL DATA SHEET

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Product code:	39-00-153
Product name:	sicastar®-M
Surface:	plain
Size:	1.5 µm
Solid content:	50 mg/ml
Composition:	magnetic silica particles
Shape:	spherical
Density:	2.5 g/ccm
Magnetization:	6.0 Am ² /kg particles (H = 80 kA/m)
Saturation magnetization:	> 8.0 Am ² /kg particles (H > 800 kA/m)
Stable in:	aqueous buffers pH > 3, organic solvents
Not stable in:	hydrofluoric acid, strong basic media, e.g. 6 M NaOH
Product form:	Suspension in water
Colour:	dark brown
Additional remarks:	Storage at room temperature.
TECHNOTES:	Isolation of plasmid-DNA: 5-10 µg DNA per mg particle (from 1-1.5 ml overnight culture), OD (260 nm)/ OD (280 nm) > 1.9.