



## TECHNICAL DATA SHEET

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<b>Product code:</b>	40-19-502
<b>Product name:</b>	sicastar®-redF
<b>Surface:</b>	streptavidin
<b>Size:</b>	500 nm
<b>Solid content:</b>	10 mg/ml
<b>Composition:</b>	red fluorescent silica particles
<b>Polydispersity index:</b>	< 0.200
<b>Shape:</b>	spherical
<b>Density:</b>	2.0 g/ccm
<b>Porosity:</b>	nonporous
<b>Stable in:</b>	aqueous buffers pH > 4
<b>Not stable in:</b>	organic solvents, acidic solutions pH < 4
<b>Product form:</b>	Suspension in PBS (0.02 % sodium azide)
<b>Particles per ml:</b>	7.7 E10
<b>Particles per mg:</b>	7.6 E9
<b>Biotin binding capacity:</b>	> 20 pmol/mg
<b>Optical properties:</b>	red fluorescent
<b>Colour:</b>	pink
<b>Excitation:</b>	569 nm
<b>Emission:</b>	585 nm
<b>Additional remarks:</b>	Storage at 2 - 8 °C for 3 months.