

## TECHNICAL DATA SHEET



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<b>Product code:</b>	D20
<b>Product name:</b>	Surface HP
<b>Magnetic core:</b>	Ferroferric oxide
<b>Surface:</b>	High density silanol
<b>Average Particle Size:</b>	~10 $\mu$ m
<b>Porosity:</b>	Pore-free
<b>Density:</b>	3.0~3.2g/cm <sup>3</sup>
<b>Shape:</b>	Square plate-shaped
<b>Magnetic property:</b>	Superparamagnetic
<b>Magnetic content:</b>	~30%
<b>Saturation magnetization:</b>	>32emu/g
<b>Magnetic separation speed:</b>	10~15s
<b>Stable in:</b>	Aqueous buffers, pH 2~13, alcohol
<b>Not Stable in:</b>	Aqueous buffers, pH <2 or pH >13; >120 $^{\circ}$ C
<b>Colour:</b>	Black
<b>Additional remarks:</b>	Storage at 2~25 $^{\circ}$ C. Do not freeze !
<b>Expiry Date</b>	Two years after production date
<b>Application:</b>	gDNA isolation
<b>Nucleic acid binding capacity:</b>	More than 4 $\mu$ g gDNA per mg of particles for blood sample