

TECHNICAL DATA SHEET



Enriching Biotechnology

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Product code:	PC51
Product name:	MPS550/Carboxyl
Functional group	Carboxylic acid
Surface:	Hydrophilic polymer coating
Average Size:	5.0µm
Density:	1.3 g/cm ³
Matrix:	Polystyrene
Shape:	Spherical
Saturation magnetization:	>18emu/g
Magnetic property:	Superparamagnetic
Magnetic substance content:	20%
Stable in:	Aqueous buffers, pH 4~10, alcohol
Not Stable in:	Aqueous buffers, pH <3 or pH >12
Product form:	Suspension in water
Surface functional group density:	40~80 µmol/g
Colour:	Brown
Additional remarks:	Storage at 2~8 °C. Do not freeze !
Expiry Date	Two years after production date
Protein binding capacity:	~20 µg protein /mg
Technotes:	Covalently couple of proteins, peptides, antibodies, enzymes, nucleic acids or other target specific molecules
Application:	Immunoassay, purification of DNA-/RNA-binding Proteins, protein purification, cell isolation