

TECHNICAL DATA SHEET



Enriching Biotechnology

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Product code:	P30
Product name:	MAG25K/Streptavidin
Surface:	Streptavidin
Average Size:	25µm
Matrix:	Cross-linked agarose
Shape:	Spherical
Magnetic property:	Superparamagnetic
Saturation magnetization:	>65emu/g
Magnetic separation speed:	< 20s
Stable in:	Aqueous buffers, pH 3~11
Not Stable in:	Organic solvents
Solid content:	10% (v/v) medium slurry
Product form:	Suspension in PBS, pH 7.4, 0.1%BSA,0.02%NaN ₃
Surface functional group density:	8~10mg streptavidin/mL (100%,v/v)
Colour:	Dark
Additional remarks:	Storage at 2~8 °C. Do not freeze !
Expiry Date	Two years after production date
Binding capacity for free biotin:	>3,500pmol/100µL (10%,v/v)
Binding capacity for biotinylated IgG:	~20ug /100µL (10%,v/v)
Binding capacity for biotinylated ds-DNA:	~20ug /100µL (10%,v/v)
Binding capacity for biotinylated ss-DNA:	~1200pmol(~12µg) /100µL for 30nt ss-DNA
Application:	Streptavidin particles, magnetic may be used to bind biotin-conjugated molecules such as antibodies or DNA primers