

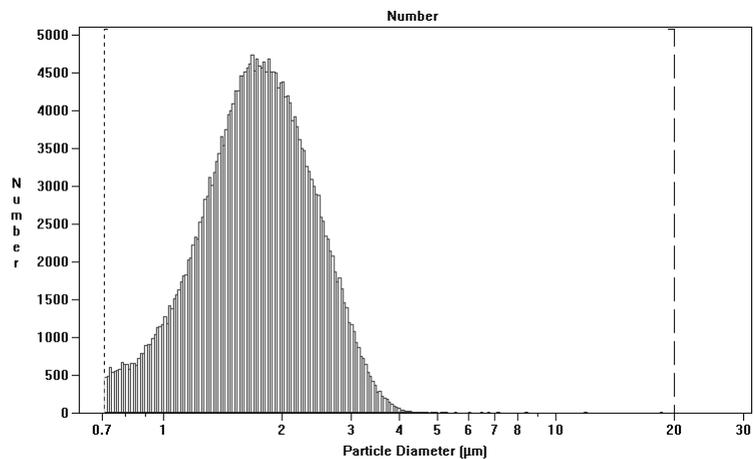
For Research Use Only. Not for use in diagnostic procedures.

M-PVA SAV2 (art No. CMG-228) *for research only*

Streptavidin M-PVA Magnetic Beads

store at +4 °C

amount:	2 x 1 ml bead suspension
concentration:	25 mg/ml
magnetite:	50 - 60 %
storage:	in PBS-buffer pH 7.2
binding capacity:	30 - 40 pmol biotinylated protein (150 kDa), at least 300 pmol biotinylated oligonucleotide or 520 pmol free biotin per 40 µl <i>M-PVA SAV2</i> respectively.
properties:	Streptavidin is immobilized covalently on the surface of superparamagnetic polyvinylalcohol beads. These beads have a polydispersed size distribution (Coulter-output).



The high content of magnetite permits the rapid separation of biotinylated target molecules. Because of the hydrophilic nature of the polyvinylalcohol matrix unspecific binding properties are reduced to a minimum.

Any further questions?

chemagen Technology technical support: +49 (0) 2401 805-501 | support@chemagen.com





For Research Use Only. Not for use in diagnostic procedures.

Immobilization Protocol

1. Shake bead suspension vigorously and transfer calculated amount.
2. Magnetically separate until the supernatant is clear and wash twice with double volume of binding buffer. To get optimal separation results particularly for nucleic acid separation it is recommended to use a binding buffer containing a final salt concentration of at least 0.75 mol/l sodium chloride.
3. Resuspend the prewashed beads with binding buffer to a final concentration of about 4 mg/ml.
4. Add an equal volume of a solution of the biotin-labeled target molecule in binding buffer.
5. Incubate at room temperature using gently rotating or occasional mixing for 15 - 30 minutes.
For complete separation working with very low concentrations of biotinylated substance the incubation time should be increased to 1 - 2 hours.
6. Wash three times with double volume of binding buffer and resuspend in an appropriate storage buffer.

Any further questions?

chemagen Technology technical support: +49 (0) 2401 805-501 | support@chemagen.com

