

High Performance Magnetic Beads for Immunoassays

AMSBIO has expanded its range of high-performance magnetic beads for use as **detection labels in magnetic immunoassays** or as a solid support phase in immunoassays.

MagSi-STA beads are magnetic silica particles with high quality streptavidin covalently attached to the bead surface. Available in different mean sizes, streptavidin coupling chemistries and binding capacities, these industry-leading MagSi-STA beads offer an optimized solution for many in vitro diagnostic applications, including immunoassays

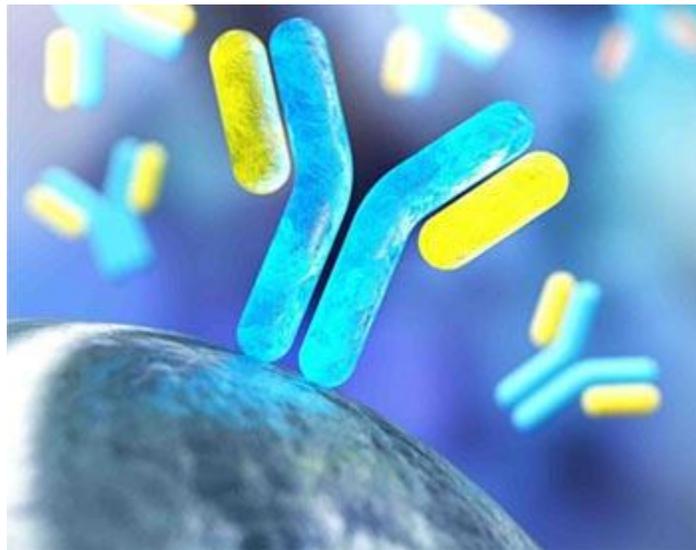


Image caption: Streptavidin coated beads bind biotinylated antibodies with high affinity for effective and customisable immunoassays

To streamline

the process of selecting the most suitable streptavidin beads for specific applications, **AMSBIO** has launched the **MagSi-STA Trial kit**. This kit is especially useful when required specifications for magnetic beads are not known. Designed for evaluation purposes during trial phase of developing new assays or bead replacement in existing assays, the Trial kit includes 1ml of each of the eight different MagSi-STA products to enable researchers find the most appropriate beads for their specific application quickly.

MagSi-STA beads

are based on a silica matrix, which produces lower background chemiluminescence and UV/VIS signals compared to alternative substrates inherent luminescent properties like polystyrene, thereby enhancing assay sensitivity and dynamic range. As a consequence, MagSi-STA beads are suitable for almost any assay, regardless of read out method used. The silica matrix also ensures product stability over a wide pH range and at high ionic strength conditions.

For further information

please visit <https://www.amsbio.com/magsi-magnetic-beads-immunoassays/> or contact **AMSBIO** on +31-72-8080244 / +44-1235-828200 / +1-617-945-5033 / info@amsbio.com.



AMSBIO supplies

a unique expansive range of magnetic silica beads for biological applications. These magnetic beads range in size from 150nm to 5µm and can have a wide range of surface properties, functional groups, and magnetic properties. MagSi beads are specifically designed for the separation, concentration and purification of biomolecules and specific cells or cell compartments.

AMS Biotechnology (AMSBIO)

Founded in 1987, AMS Biotechnology (AMSBIO) is recognized today as a leading transatlantic company contributing to the acceleration of discovery through the provision of cutting-edge life science technology, products, and services for R&D in the medical, nutrition, cosmetics, and energy industries. AMSBIO has in-depth expertise in extracellular matrices to provide elegant solutions for studying cell motility, migration, invasion, and proliferation. This expertise in cell culture and the ECM allows AMSBIO to partner with clients in tailoring cell systems to enhance organoid and spheroid screening outcomes using a variety of 3D culture systems, including organ-on-a-chip microfluidics. For drug discovery research, AMSBIO offers assays, recombinant proteins, and cell lines. Drawing upon a huge and comprehensive biorepository, AMSBIO is widely recognized as a leading provider of high-quality tissue specimens (including custom procurement) from both human and animal tissues. The company provides unique clinical grade products for stem cells and cell therapy applications. This includes GMP cryopreservation technology, and high-quality solutions for viral delivery.

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