

VYVID™ Superparamagnetic Silicas

Magnetic Separation Technology for In-vitro Diagnostics

A range of VYVID™ Superparamagnetic silica beads for your research and diagnostic needs

VYVID™ Superparamagnetic beads are ideal for rapid isolation and purification of nucleic acids, eliminating the need for columns and centrifugations. VYVID™ Superparamagnetic beads are highly suited for applications involving high-throughput extraction, manual small-scale isolation, or cell separation protocols. Their superb magnetic response enables speed and efficiency in separation. Due to their unique superparamagnetic properties, the beads lose all their magnetization (magnetic remanence) as soon

as the external magnetic field is removed and can be immediately resuspended. The beads disperse easily and demonstrate no bead-to-bead magnetic attraction.

VYVID™ Superparamagnetic silicas are produced with controllable product qualities for reproducibility within and between batches in our dedicated manufacturing facility in North America. Our team of expert scientists and engineers are also able to collaborate to develop and customize products on an OEM basis for our customers.

	VYVID™ Capture Superparamagnetic Silica	VYVID™ Capture Pro Superparamagnetic Silica	VYVID™ Capture Micro Superparamagnetic Silica	VYVID™ Capture COOH** Superparamagnetic Silica
Material	Silica			
Particle Size	~7µm	~7µm	~1µm	~7µm
Size Distribution	Polydisperse			
Particle Shape	Spheroidal			
Surface Chemistry	Silica*	Silica*	Silica*	COOH
Surface	Porous (cauliflower like)			
Binding Capacity	Medium	High	Very high	High
Applications	Nucleic acid extraction			
	Nucleic acid enrichment for NGS (next generation sequencing) applications			
			cfDNA extraction	

*Custom surface modifications available (functional groups)

** Sample grade, under commercialization

cfDNA: cell free DNA detection for bio-marker applications



Features and benefits of VYVID™ Superparamagnetic silica

- Rapid and efficient separations
- Superior binding capacity
- Excellent reproducibility
- Easy handling
- Suitable for automated (high through-put) or manual extraction systems
- Custom surface modifications (functional groups)

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