

# Dr Vida MagBeads

## Datasheet

### Description

Our paramagnetic particles are manufactured using proprietary dispersing technology. Through highly controlled chemical processes, magnetic particles of varying sizes are produced. Key features include a highly dispersible colloidal suspension that facilitates downstream processes by reducing clumping, increasing effective surface area for superior binding capacity and dynamics. This typically results in a 20% higher yield than the benchmark. Additionally, proprietary surface chemistry enables alcohol-free binding and washing, which contributes to a lower limit of detection (LOD) for sensitive assays. The simplified production process significantly reduces manufacturing costs, ensuring consistent quality, minimized lot-to-lot variability, cost-competitiveness, and supply chain stability. Dr Vida Magbeads magnetic particles range from 700-1000nm and exclusively silica-coated to minimize carryover of inhibitors and carboxyl groups.

### Indications for Use

Dr Vida MagBeads reagent is a highly efficient solution designed to replace gold standard Beads in PCR, Genomic DNA and enzymatic reaction cleanup, and NGS library size selection. Compatible with major NGS library prep kits (e.g., Illumina, Agilent, Roche), it requires no protocol changes. Dr Vida MagBeads reagent effectively purifies Amplicons or DNA fragments larger than 100 bp while removing smaller components. Dr Vida MagBeads reagent can be used for single-sided or double-sided size selection during NGS library preparation. It is also suitable for both manual and automated high-throughput systems. Beads must be stored at 2-8°C and equilibrated to room temperature before use, do not freeze them.

### Packaging content

The packaging contains the product in the desired volume, along with information on the product lot, quantity, expiration date, storage temperature, manufacturing location, and the recommended protocol for the product.

### Manufacturer information

If you require more information, please contact our technical support by email [info@stabvida.com](mailto:info@stabvida.com) or phone (+351)210438606.