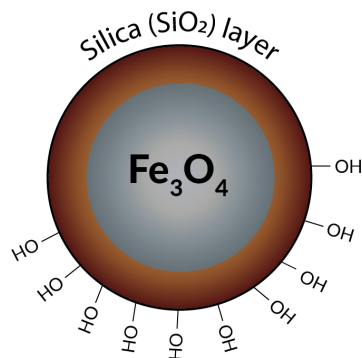


## PRODUCT DATA SHEET

### Magnetic Beads - Silica Coated



#### General Information

PuroMAG Silica-Coated Magnetic Beads are optimized for nucleic acid binding. Magnetite core allows the particles to be separated out of solution with magnets, allowing easy processing with magnetic racks or automated extraction systems.

#### Surface Chemistry Details

Silica coating effectively adsorbs nucleic acids under high salt conditions. Nucleic acids can then be washed to remove impurities such as proteins and salts, and finally eluted into elution buffer or water. The eluted sample can then be used for such downstream applications as qPCR, or sequencing.

#### Storage and Handling

Vortex the magnetic beads thoroughly before use.

Store the product at 2-8°C.

**DO NOT FREEZE:** freezing will cause beads to aggregate.

### Physicochemical properties and Specifications

PARAMETER	VALUE
Diameter:	400 - 550 nm
PDI:	0.05 - 0.2
Zeta potential:	-40 - -30 mV
Surface chemistry:	Silica (-OH, -COOH)
Magnet collection time:	10 - 30 seconds
Color of bead suspension:	Light brown
Shelf life:	3 years
Storage buffer:	Water with 0.02% sodium azide
Storage conditions:	2-8 °C
Shipping conditions:	Ambient temperature

### Ordering Information

- Order through our website at [www.lunanano.com](http://www.lunanano.com), by calling 1-800-474-4055, or by e-mail at [sales@lunanano.com](mailto:sales@lunanano.com).
- Please contact us for custom quantities, nanoparticle sizes, or surface modifications.
- More information is available at [www.lunanano.com](http://www.lunanano.com)

Catalog Number:	NMG-101
Product Description:	Silica Coated Magnetic Beads
Concentration:	10 mg/ml
Volume:	24 mL