

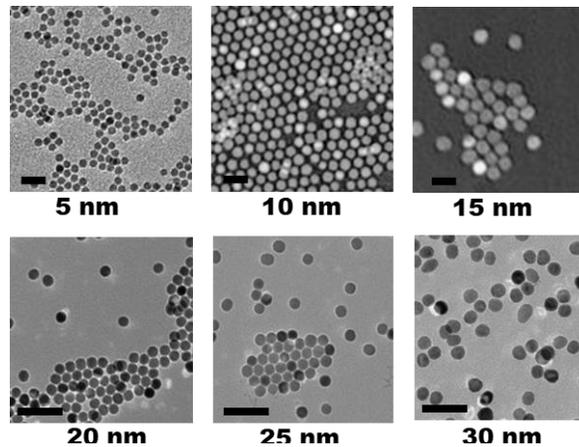
## Amine Magnetic Iron Oxide Nanoparticles

### DESCRIPTION

Ocean NanoTech's iron oxide nanoparticles are superparamagnetic particles with excellent colloidal stability and biocompatible coating for biomedical applications, including in-vivo magnetic resonance imaging (MRI), magnetic particles imaging (MPI), magnetic sensing for in-vitro diagnostics, small molecular drug delivery, immunotherapy, hyperthermia, adjuvant for vaccine, etc. Amine iron oxide nanoparticles are nanosized (5-30 nm) iron oxide particles with amine groups. Oligonucleotides, antibodies, or other ligands with primary amine, carboxy or thiol groups can be easily coupled to the nanoparticles. Activation through Sulfo-SMCC or glutaraldehyde is required. With excellent colloidal stability and unique surface coating, the amine iron oxide nanoparticles exhibit high binding capacity and low non-specific binding.

### FEATURES

- Narrow size distribution
- High colloidal stability
- Low non-specific binding
- Flexible conjugation chemistry
- Easy purification approaches developed
- Size offered: 5 nm, 10 nm, 15 nm, 20 nm, 25 nm, 30 nm



### SPECIFICATION

- **Zeta potential:** from -10 mV to +20 mV
- **Concentration:** 5 mg/mL
- **Storage buffer:** DI water
- **Reaction group:** amine

### STORAGE & USAGE

Store at 2-8°C.

### AVAILABLE PRODUCTS

Catalog	Product Description	Size	Concentration	Unit size
SHA05-01	Amine Iron Oxide Nanoparticles	10 nm	5 mg/mL	1 mL
SHA05-05	Amine Iron Oxide Nanoparticles	10 nm	5 mg/mL	5 mL
SHA10-01	Amine Iron Oxide Nanoparticles	10 nm	5 mg/mL	1 mL
SHA10-05	Amine Iron Oxide Nanoparticles	10 nm	5 mg/mL	5 mL
SHA15-01	Amine Iron Oxide Nanoparticles	15 nm	5 mg/mL	1 mL
SHA15-05	Amine Iron Oxide Nanoparticles	15 nm	5 mg/mL	5 mL
SHA20-01	Amine Iron Oxide Nanoparticles	20 nm	5 mg/mL	1 mL
SHA20-05	Amine Iron Oxide Nanoparticles	20 nm	5 mg/mL	5 mL
SHA25-01	Amine Iron Oxide Nanoparticles	25 nm	5 mg/mL	1 mL
SHA25-05	Amine Iron Oxide Nanoparticles	25 nm	5 mg/mL	5 mL
SHA30-01	Amine Iron Oxide Nanoparticles	30 nm	5 mg/mL	1 mL
SHA30-05	Amine Iron Oxide Nanoparticles	30 nm	5 mg/mL	5 mL