

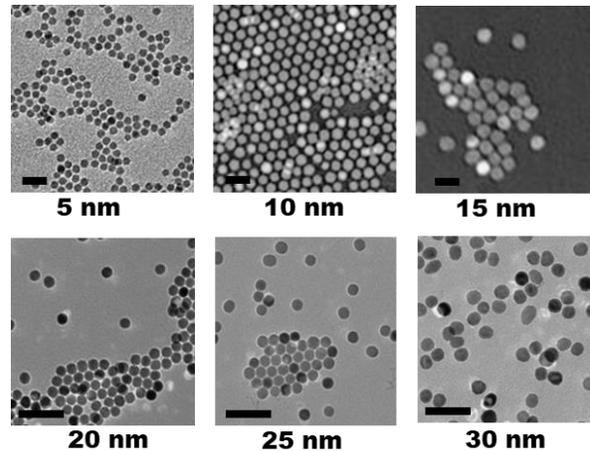
Carboxyl Iron Oxide Nanoparticles

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. Carboxyl iron oxide nanoparticles are nanosized (5-30 nm) iron oxide particles with carboxylic acid groups. Oligonucleotides, antibodies, or other ligands with amine groups can be easily coupled to the nanoparticles. Activation through EDC is required. With excellent colloidal stability and unique surface coating, the carboxyl iron oxide nanoparticles exhibit high binding capacity and low non-specific binding.

FEATURES

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



SPECIFICATION

- **Zeta potential:** from -30 mV to -45mV
- **Concentration:** 5 mg/mL
- **Storage buffer:** DI water
- **Reaction group:** Carboxylic acid

STORAGE & USAGE

Store at 2-8°C.

AVAILABLE PRODUCT

Catalog	Product Description	Size	Concentration	Unit size
SHP05-02	Carboxyl Iron Oxide Nanoparticles	5 nm	5 mg/mL	2 mL
SHP05-10	Carboxyl Iron Oxide Nanoparticles	5 nm	5 mg/mL	10 mL
SHP10-02	Carboxyl Iron Oxide Nanoparticles	10 nm	5 mg/mL	2 mL
SHP10-10	Carboxyl Iron Oxide Nanoparticles	10 nm	5 mg/mL	10 mL
SHP15-02	Carboxyl Iron Oxide Nanoparticles	15 nm	5 mg/mL	2 mL
SHP15-10	Carboxyl Iron Oxide Nanoparticles	15 nm	5 mg/mL	10 mL
SHP20-02	Carboxyl Iron Oxide Nanoparticles	20 nm	5 mg/mL	2 mL
SHP20-10	Carboxyl Iron Oxide Nanoparticles	20 nm	5 mg/mL	10 mL
SHP25-02	Carboxyl Iron Oxide Nanoparticles	25 nm	5 mg/mL	2 mL
SHP25-10	Carboxyl Iron Oxide Nanoparticles	25 nm	5 mg/mL	10 mL
SHP30-02	Carboxyl Iron Oxide Nanoparticles	30 nm	5 mg/mL	2 mL
SHP30-0	Carboxyl Iron Oxide Nanoparticles	30 nm	5 mg/mL	10 mL