

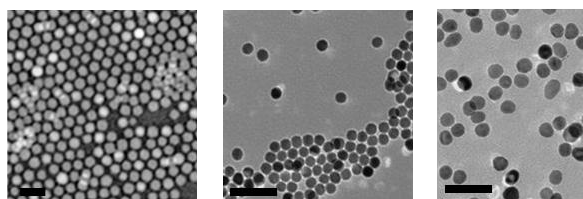
NHS Iron Oxide Nanoparticles

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. NHS iron oxide nanoparticles are nanosized (5-30 nm) iron oxide particles with N-hydroxysuccinimide groups in lyophilized powder form. Oligonucleotides, antibodies, or other ligands with amine groups can be easily coupled to the nanoparticles without any crosslinker needed. 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
- Lyophilized powder form
- Easy conjugation
- Easy purification approaches developed
- Size offered: 10 nm, 20 nm and 30 nm



SPECIFICATION

- **Zeta potential:** from -30 mV to -45mV
- **Solid content:** 1% (w/w) in sucrose
- **Reaction group:** NHS

STORAGE

Store at -20°C.

AVAILABLE PRODUCT

Catalog	Product Description	Size	Solid Content	Unit size
SAN10-10	NHS Iron Oxide Nanoparticles	10 nm	1 % (weight)	10 mg
SAN20-10	NHS Iron Oxide Nanoparticles	20 nm	1 % (weight)	10 mg
SAN30-10	NHS Iron Oxide Nanoparticles	30 nm	1 % (weight)	10 mg