

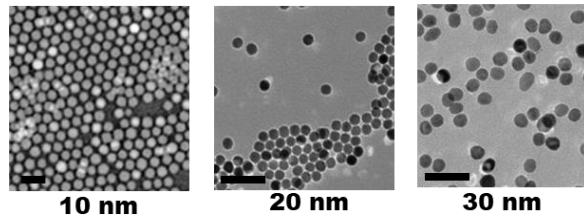
Azide Magnetic Iron Oxide Nanoparticles

DESCRIPTION

Ocean NanoTech's Iron Oxide Nanoparticles are superparamagnetic nanoparticles with excellent colloidal stability and biocompatible coating for biomedical applications. They are prepared by thermodecomposition method which makes uniform size and high crystalline. Azide iron oxide nanoparticles are nanosized (10-30 nm) iron oxide particles with azide groups. They are ready to conjugate with oligonucleotides, antibodies or other ligands with DBCO groups without other crosslink reagents needed. With excellent colloidal stability and unique surface coating, the azide iron oxide nanoparticles exhibit high binding capacity and low non-specific binding.

FEATURES

- Narrow size distribution
- High colloidal stability
- Low non-specific binding
- Click chemistry conjugation
- Size offered: 10 nm, 20 nm and 30 nm



SPECIFICATION

- **Zeta potential:** from -10 mV to -30 mV
- **Concentration:** 1 mg/mL
- **Storage buffer:** DI Water
- **Reaction Group:** azide

STORAGE

Store at 2-8°C.

AVAILABLE PRODUCTS

| Catalog | Product Description | Size | Concentration | Unit size |
|----------|--------------------------------|-------|---------------|-----------|
| IAZ10-01 | Azide Iron Oxide Nanoparticles | 10 nm | 1 mg/mL | 1 mL |
| IAZ10-05 | Azide Iron Oxide Nanoparticles | 10 nm | 1 mg/mL | 5 mL |
| IAZ20-01 | Azide Iron Oxide Nanoparticles | 20 nm | 1 mg/mL | 1 mL |
| IAZ20-05 | Azide Iron Oxide Nanoparticles | 20 nm | 1 mg/mL | 5 mL |
| IAZ30-01 | Azide Iron Oxide Nanoparticles | 30 nm | 1 mg/mL | 1 mL |
| IAZ30-05 | Azide Iron Oxide Nanoparticles | 30 nm | 1 mg/mL | 5 mL |