

NITmag Octahedral COOH 40nm

#51011615S & #51011615W & #51011615Y

STORE AT 4°C away from light. **DO NOT FREEZE**

Description

The 40nm magnetic nanoparticles are highly monodisperse carboxylated nano-octahedrons of magnetite. These nanoparticles could be employed as platforms for many applications such as magnetic separation, contrast agent MRI, hyperthermia, drug delivery, biosensors.

Technical Specifications

Particle Surface: -COO⁻ anions.

Particle Diameter: 40 ± 6 nm

Crystalline phase: Magnetite

Iron concentration : 0.71 mg/mL

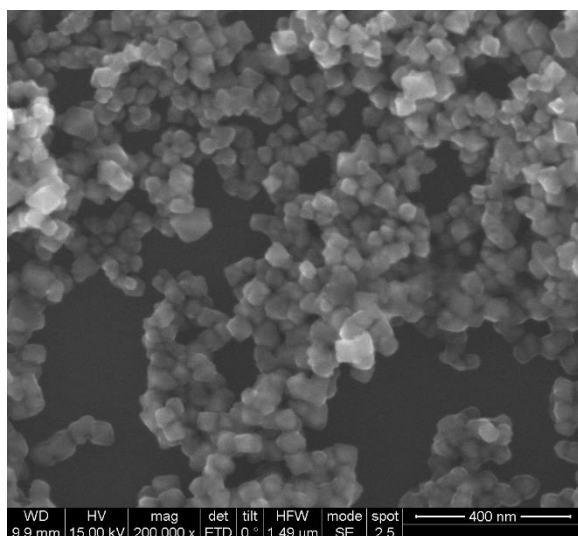
Particle Concentration: 3.0×10¹² particles/mL (1 mg/mL)

Molar Concentration: 4.9 nM

Appearance: Dark brown fluid aqueous solution

Solvent: Milli-Q water.

Scanning Electron Microscopy characterization



Suggested Application(s)

- Magnetic separation
- Biosensing
- Contrast agent MRI
- Magnetic hyperthermia
- Drug delivery

Ordering Information

Product name	Nanoparticles/ml	Quantity	Cat number
NITmag octahedral COOH 40 nm	2.97×10^{12}	1 ml	51011615S
NITmag octahedral COOH 40 nm	2.97×10^{12}	5 ml	51011615W
NITmag octahedral COOH 40 nm	2.97×10^{12}	10 ml	51011615Y

Product disclaimer

This nitparticles® product is to be used for research purposes only. Unless stated in the documentation of on an individual product label, catalog or other information provided to the buyer, IT IS FORBIDDEN TO USE IT for different purposes, including but not limited to them: in vitro diagnostic, use in food, pharmaceutical purposes, medical purposes, or use in cosmetic products, neither for use in humans nor animals, nor for any commercial purposes. Please refer to www.nitparticles.com for the Material Safety Data Sheet of the product.

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