

## NITmag Octahedral COOH 40nm

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<sup>-</sup> anions.

**Particle Diameter:** 40 ± 6 nm

**Crystalline phase:** Magnetite

**Iron concentration :** 0.71 mg/mL

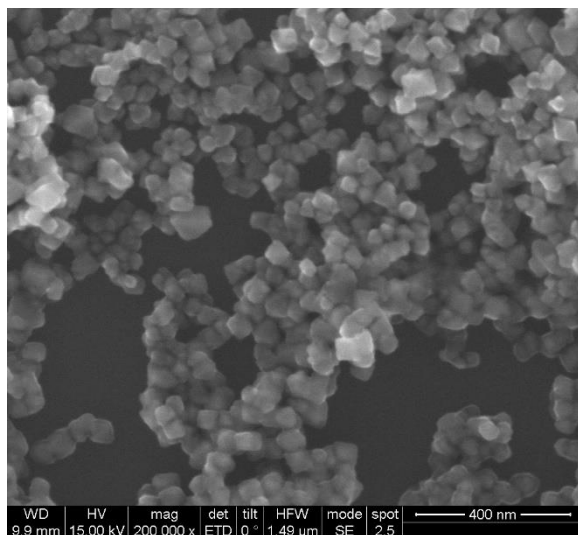
**Particle Concentration:** 3.0×10<sup>12</sup> particles/mL (1 mg/mL)

**Molar Concentration:** 4.9 nM

**Appearance:** Dark brown fluid aqueous solution

**Solvent:** Milli-Q water.

### Scanning Electron Microscopy characterization



### Suggested Application(s)<sup>1</sup>

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

### Ordering Information

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Product name	Nanoparticles/mL	Quantity	Catalogue ref.
NITmag octahedral COOH 40nm	2.97×10 <sup>12</sup>	1 mL	51011615S
NITmag octahedral COOH 40nm	2.97×10 <sup>12</sup>	5 mL	51011615W
NITmag octahedral COOH 40nm	2.97×10 <sup>12</sup>	10 mL	51011615Y

Order by Email: [sales@nanoimmunotech.es](mailto:sales@nanoimmunotech.es)

#### Product disclaimer

This nanoparticles product is to be used for research purposes only. Unless stated in the documentation of on an individual product label, catalogue 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.nanoimmunotech.eu](http://www.nanoimmunotech.eu) for the Material Safety Data Sheet of the product.

The information given in this document is to the best of our knowledge.

<sup>1</sup>Since conditions of use are beyond our control, we do not warranty the suitability of our products.

