



Glutathione Magnetic Particles PRODUCT DATA SHEET

Glutathione Magnetic Particles

Description

Glutathione Magnetic Particles are composed of superparamagnetic nanoparticles covalently coupled with glutathione, is a biocompatible molecule with amino and carboxylic terminal groups for subsequent crosslinking processes. Glutathione is a tripeptide molecule containing glutamic acid, cysteine and glycine, which has important biological functions such as maintaining intracellular REDOX balance and anti-oxidation. The modification of glutathione onto gold nanoparticles can give the nanoparticles specific properties and applications, which can be applied in biomedical imaging, drug legend, antioxidant and so on. Glutathione can interact with biomolecules to achieve targeting of specific cells or tissues.

Abvigen's Glutathione Magnetic Particles 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.

For custom sizes, formulations or bulk quantities please contact our customer service department.

website: www.abvigen.com Phone: +1 929-202-3014 Email: info@abvigenus.com

Characteristics

Concentration: 10 mg/ml

Size: 10 ml

Shape: Spherical

Composition: Glutathione Magnetic Particles

Density: 1.1 g/ccm

Buffer: PBS

Form: Suspension

Store: Storage at 2 - 8 °C

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Storage

This product should be stored at 4°C. **DO NOT FREEZE.**

For 10 mg/ml of Glutathione Magnetic Particles

Diameter	Conc. mg/ml	Particles/mg	Particles/ml
130 nm	10	7.90E+11	7.90E+12
250 nm	10	1.11E+11	1.11E+12

References

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- [2] Santos A C F, de Araújo O R P, Moura F A, et al. Development of magnetic nanoparticles modified with new molecularly imprinted polymer (MIPs) for selective analysis of glutathione[J]. Sensors and Actuators B: Chemical, 2021, 344: 130171.
- [3] Kuan W C, Lai J W, Lee W C. Covalent binding of glutathione on magnetic nanoparticles: Application for immobilizing small fragment ubiquitin-like-specific protease 1[J]. Enzyme and Microbial Technology, 2021, 143: 109697.

Ordering Information

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