



## Labeled Magnetic Nanoparticles

### Products Description

**Carboxyl** Magnetic Particules GV2890

**Hydroxyl** Magnetic Particules OO4920

**Streptavidin** Magnetic Particules JV2490

**Concanavalin A** Magnetic Particules JV2540

**Folic Acid** Magnetic Particules FO4560

**Protein A** Magnetic Particules FO4540

**Amine** Magnetic Particules OO4910

**PEG** Magnetic Particules OO4890

**Biotin** Magnetic Particules JV2510

**Dextran** Magnetic Particules OO4880

**Transferin** Magnetic Particules FO4570

**Protein G** Magnetic Particules FO4550

<b>Appearance :</b>	Suspension (liquid)
<b>Buffer :</b>	in PBS buffer, pH 7,4
<b>Particle Size :</b>	Around 30 nm
<b>Concentration:</b>	2,5 mg/ml based on Iron
<b>Storage:</b>	Store at 2~8°C (stability ranges from 6~18 months) (H) Do not freeze - Protect from light and moisture

### Magnetic particles information

Magnetic nanoparticles were made from superparamagnetic Iron Oxide nanoparticles with narrow size distribution (<15%). The average size of these nanoparticles is around 25~35 nm. These nanoparticles were over coated with poly-glucose carbohydrates and are dissolved in aqueous solution.

The Magnetic nanoparticles were functionalized by a variety of **ligands**, according optimized protocols .

### Applications

Magnetic Particules functionalized by Carboxyls, Amines and Hydroxyls can be used for coupling any biomolecules by [conventional or other chemistries](#) (EDC mediated amidation, Mal-NHS activation, [ClickChemistry](#), [H...](#)).

Magnetic Particules functionalized by Ferritin, Folic acid, and Concanavalin A can be used for affinity experiments.

Protein A and Protein G immobilized onto Magnetic Particules can be used for immunoprecipitation techniques

FT-GV2890

## References

- **Maeda Y. et al.**, Noncovalent Immobilization of Streptavidin on In Vitro- and In Vivo-Biotinylated Bacterial Magnetic Particles, *Appl. Envir. Microbiol.*, 74: 5139 - 5145 (2008) [Article](#)
- **Murphy E. et al.**, Targeted Nanogels: A Versatile Platform for Drug Delivery to Tumors, *Mol. Cancer Ther.*, 10: 972 - 982 (2011) [Article](#)
- **Perrault S. et al.**, In vivo assembly of nanoparticle components to improve targeted cancer imaging, *PNAS*, 107: 11194 - 11199 (2010) [Article](#)

## Related products

Fluorescein Magnetic Particules LV5630

Rhodamine B Magnetic Particules LV5620

## Ordering information

[Catalog size quantities and prices may be found at www.interchim.com/](http://www.interchim.com/)

Please inquire for higher quantities (availability, shipment conditions).

For any information, please ask : FluoProbes® / Interchim; Hotline : +33(0)4 70 03 73 06

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