

## **Product Data Sheet**

Date of Issue: 26 Nov 2019

## 1. Product Information

• Product Name :	Silica Hydroxy Magnetic Nanoparticles
• Catalog Number :	MNP3000
• Packing Unit :	20 mL / 50 mL
• Appearance :	Aqueous suspension

• Storage Conditions : Protect from Light at 4 °C

## 2. Additional Information

• Surface modification :	Hydroxy
• Composition :	Silanized Iron Oxide
• Type of Magnetization :	Superparamagnetic
• Magnetization :	> 110 EMU/g
• Diameter :	200 nm ~ 300 nm
• Concentration :	20 mg/mL
$\cdot$ Time for attached to magnet :	< 10s
• Amount of antibody labeling :	$> 100 \ \mu g/mg$

## 3. Description

BioActs Silica coated Magnetic Nanoparticles can be conjugated to a variety of biomolecules, proteins, antibodies, drug, nucleotide, etc., thus can be used in a wide range of applications such as cell and protein separation, immunoassay, nucleic acid extraction, etc.

WARNING: Intended for research use only. This product is not intended or approved for human, diagnostics, therapeutic or veterinary use. Use of this product for human or animal testing is extremely hazardous and may result in disease, severe injury, or death. MATERIAL SAFETY DATA: Review the complete Material Safety Data Sheet before use Material Safety Data Sheet (MSDS), Certificate of Analysis (COA) and Technical Information are available at http://www.bioacts.com or upon request.