

Cat. No. MF-DEX-0030

Magnetic Fluid-Hydroxyl

Product description

Magnetic Fluid-Hydroxyl is the magnetic bead with hydroxyl groups –OH and the beads exhibits superparamagnetism. It consists of single-crystal Fe_3O_4 magnetic sphere core and being coated with dextran dispersed in phosphate buffered saline (PBS) solution. The structure of dextran provides a lot of hydroxyl groups –OH and this hydrophilic surface ensures the magnetic beads excellent dispersion ability and easy handling property in a wide variety of buffers. The beads can be directly used for biospecies separation, biomedical imaging and bioassay development.

Material supplied

One vial containing 1 - 20 ml, depending on customers' requests, of dextran coated magnetic beads dispersed in pH-7.4 PBS solution (0.3 emu/g or 8 mg-Fe/ml). Magnetic Fluid-Hydroxyl provides Fe_3O_4 beads coated with dextran of 30 ~ 40 nm in diameter. Users can dilute to a desired concentration using diluent. The magnetic fluid can be stored at 2~8°C for 6 months without detectable agglomeration of beads in phosphate buffered saline pH-7.4 with 0.09% Sodium Azide.

Storage

Please keep the reagent at 2-8 °C. The validity is warranted for 6 months.

Contact Information

Please contact us when you have any question or comments via e-mail: info@magqu.com, or phone: +886-2-8667-1897.

Remarkable Notes

1. Please keep the reagent away from magnets during storage.
2. Do not freeze.
3. Magnetic Fluid- Hydroxyl is for research use only.



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Product Information

Magnetic Qbeads Series

| Products | Cat. No. |
|------------------------------|----------------------------|
| Qbeads-Protein A | MF-PRA-3000 |
| Qbeads-Protein G | MF-PRG-3000 |
| Qbeads-NTA-Ni | MF-HIS-3000 |
| Qbeads-Streptavidin | MF-STA-3000 |
| Qbeads-Silica | MF-SIL-5010 MF-SIL-5024 |
| Qbeads-Hydroxyl | MF-DEX-3000 |
| Qbeads-Carboxyl | MF-COO-3000 |
| Qbeads-Amine | MF-NHH-3000 |
| Qbeads-Carboxyl Labeling Kit | KT-COO-3000-5SE |

Accessory

| Products | Description | Cat. No. |
|------------|--------------------------------|----------|
| Magdorf | for 1.5 ml eppendorf tube | MDF-08 |
| | for magnetic separating column | MSD-01 |
| Magstand | for 15 ml falcon tube | MSD-15 |
| | for 50 ml falcon tube | MSD-50 |
| Magtractor | for 96-well culture plates | MTR-96 |
| | for 24-well culture plates | MTR-24 |
| | for 6-well culture plates | MTR-06 |

Magnetic NanoParticle Series

| Products | Particle size | Cat. No. |
|-----------------------------|---------------|-----------------|
| Magnetic Fluid- Hydroxyl | 30 nm | MF-DEX-0030 |
| | 60 nm | MF-DEX-0060 |
| | 90 nm | MF-DEX-0090 |
| Magnetic Fluid- Carboxyl | 30 nm | MF-COO-0030 |
| | 60 nm | MF-COO-0060 |
| | 90 nm | MF-COO-0090 |
| Magnetic Fluid- Amine | 30 nm | MF-NHH-0030 |
| | 60 nm | MF-NHH-0060 |
| | 90 nm | MF-NHH-0090 |
| NanoQ-Carboxyl Labeling Kit | 60 nm | KT-COO-0060-1SE |

Fluorescent Magnetic Nanoparticles

| Products | Particle size | Cat. No. |
|-------------------|---------------|-------------|
| Blue FluoroNanoQ | 60 nm | MF-FBL-0060 |
| Green FluoroNanoQ | 60 nm | MF-FGR-0060 |
| Red FluoroNanoQ | 60 nm | MF-FRE-0060 |

Customized Conjugation Service

| Products | Particle size | Cat. No. |
|--|---------------|-------------|
| Customized conjugated magnetic beads | 3 μ m | MF-CCS-3000 |
| | 30 nm | MF-CCS-0030 |
| Antibody or peptide provided by customers (100 ug) | 60 nm | MF-CCS-0060 |
| | 90 nm | MF-CCS-0090 |



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