



cfDNA Extraction Magnetic Particles PRODUCT DATA SHEET

cfDNA Extraction Magnetic Particles

Description

As one of the core technologies in precision medicine, NGS-based liquid biopsy has been widely used in clinical practice. As an emerging biomarker, cell-free DNA (cfDNA) carries crucial genetic information for the diagnosis of hereditary disease and cancer, thus efficient extraction and purification of cfDNA is a solid foundation to ensure accurate and reliable test results. However, due to the extremely low concentration of target cfDNA in plasma and the complexity of biological samples, it is difficult to efficiently extract and purify cfDNA, which severely affected the test accuracy, resulting in sample rejection, test inaccuracy and restricted clinical utility. Abvigen has specially developed cfDNA extraction magnetic microspheres for plasma samples to help improve the efficiency and accuracy of liquid biopsy.

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

Composition: Fe_3O_4

Particle Size: 1 μm

Surface Group: Oligo(dT)₃₀

Density: 1.4 g/cm^3

Preservative Solution: PBS pH 7.4

Storage Condition: Store at 2 - 8°C, do not freeze

Quality guarantee period: 12 months

Storage

This product should be stored at 2 - 8°C. **DO NOT FREEZE.**

1378 US-206 Ste 6-126, Skillman, NJ USA

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Reserved

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Features

Large specific surface area, strong binding capacity

Super paramagnetic microspheres, excellent resuspension performance

Special surface modification, strong nucleic acid adsorption capacity and easy elution

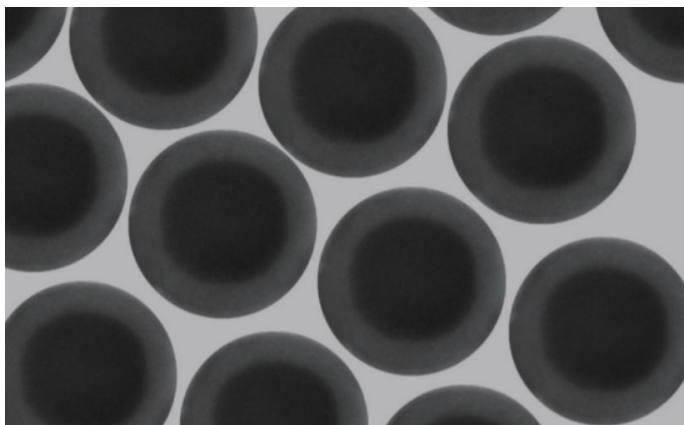
Fast magnetic response and magnetic absorption, no magnetic residue

Large-scale production capacity is up to >100 L/batch, batch-to-batch consistency ensures high reproducibility

For 25 mg/ml of cfDNA Extraction Magnetic Particles

Diameter	Conc. mg/ml	Particles/mg	Particles/ml
1	25	1.36E+09	3.41E+10

Electron microscope image of cfDNA Extraction Magnetic Particles



Ordering Information

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