



## Single Cell Sequencing Magnetic Particles

### PRODUCT DATA SHEET

## Single Cell Sequencing Magnetic Particles

### Description

A single cell is the smallest functional unit within an organism and maintains the functions of tissues through mutual cooperation. Single-cell analysis is an important and fundamental topic in the biological field. Biological research has extended from cell physiology and mechanics to gene expression. Biology thus is integral to large-scale study (i.e., genome, proteome, connectome etc.). Magnetic microspheres have superparamagnetism, moderate magnetic content, excellent resuspension and fast magnetic response speed. The magnetic microspheres are coated with carboxyl, which can efficiently bind aminated derivatives, and are suitable for adding molecular barcode sequences for cells during single-cell sequencing. Surface groups and particle size can be customized according to users' requirements.

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

**Website:** [www.abvigen.com](http://www.abvigen.com) **Phone:** +1 929-202-3014 **Email:** [info@abvigenus.com](mailto:info@abvigenus.com)

### Characteristics

Composition: Polystyrene polymer/Iron oxide

Particle Size: 15~60 um

Surface Group: COOH

Dispersion medium: Magnetic microsphere preservation solution

Uniformity: CV < 5%

Additive: Trace amount of surfactant

Storage Condition: Store at 2 - 25°C, do not freeze

Quality guarantee period: 12 months

### Storage

This product should be stored at 2 - 25°C. **DO NOT FREEZE.**

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Reserved

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## Features

Superparamagnetic microspheres, outstanding resuspension performance

Hydrophilic surface, low non-specific adsorption

Coated with carboxyl, efficiently binds aminated derivatives

Uniform particle size, the CV is less than 5%, excellent experiment reproducibility

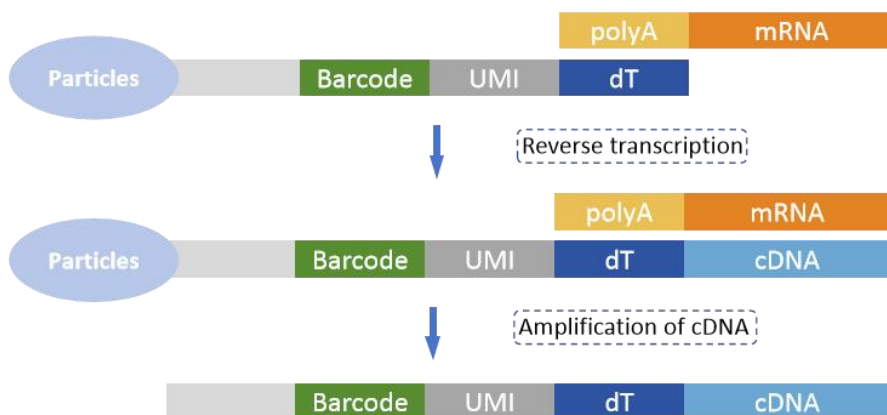
Large-scale production, batch-to-batch consistency, superior quality with consistent test results

## For 10 mg/ml of Single Cell Sequencing Magnetic Particles

Diameter	Conc. mg/ml	Particles/mg	Particles/ml	Diameter	Conc. mg/ml	Particles/mg	Particles/ml
15	10	5.14E+05	5.14E+06	30	10	6.43E+04	6.43E+05
20	10	2.17E+05	2.17E+06	40	10	2.71E+04	2.71E+05
25	10	1.11E+05	1.11E+06	60	10	8.04E+03	8.04E+04

## Magnetic particles - single cell sequencing

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## Ordering Information

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