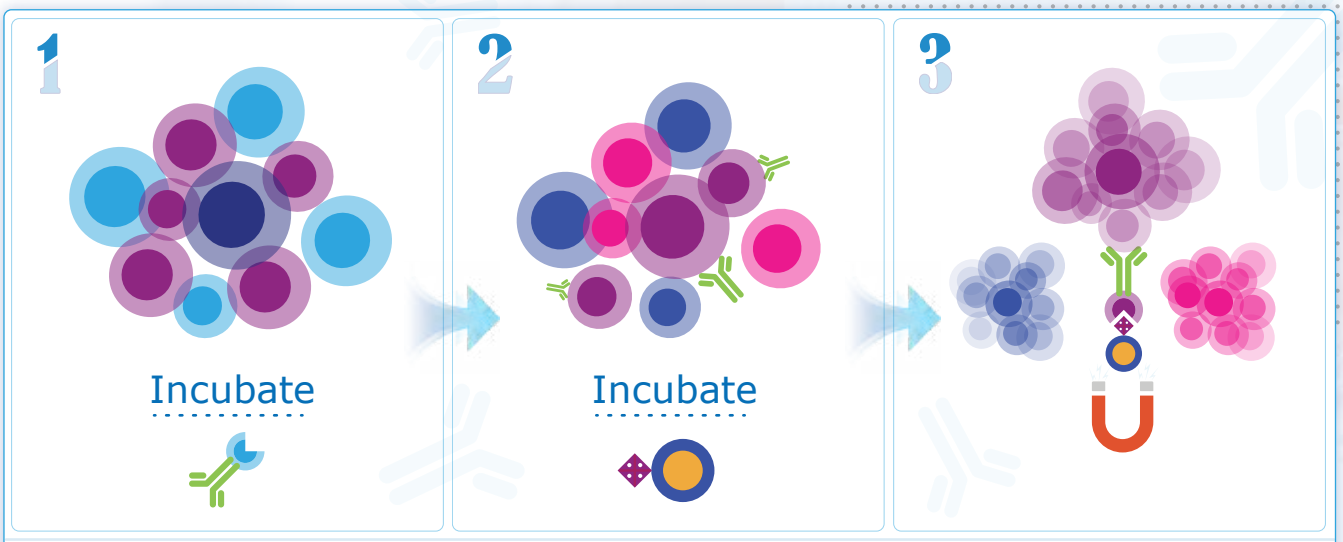
Nano-Beads Cell Separation Platform

Column-based

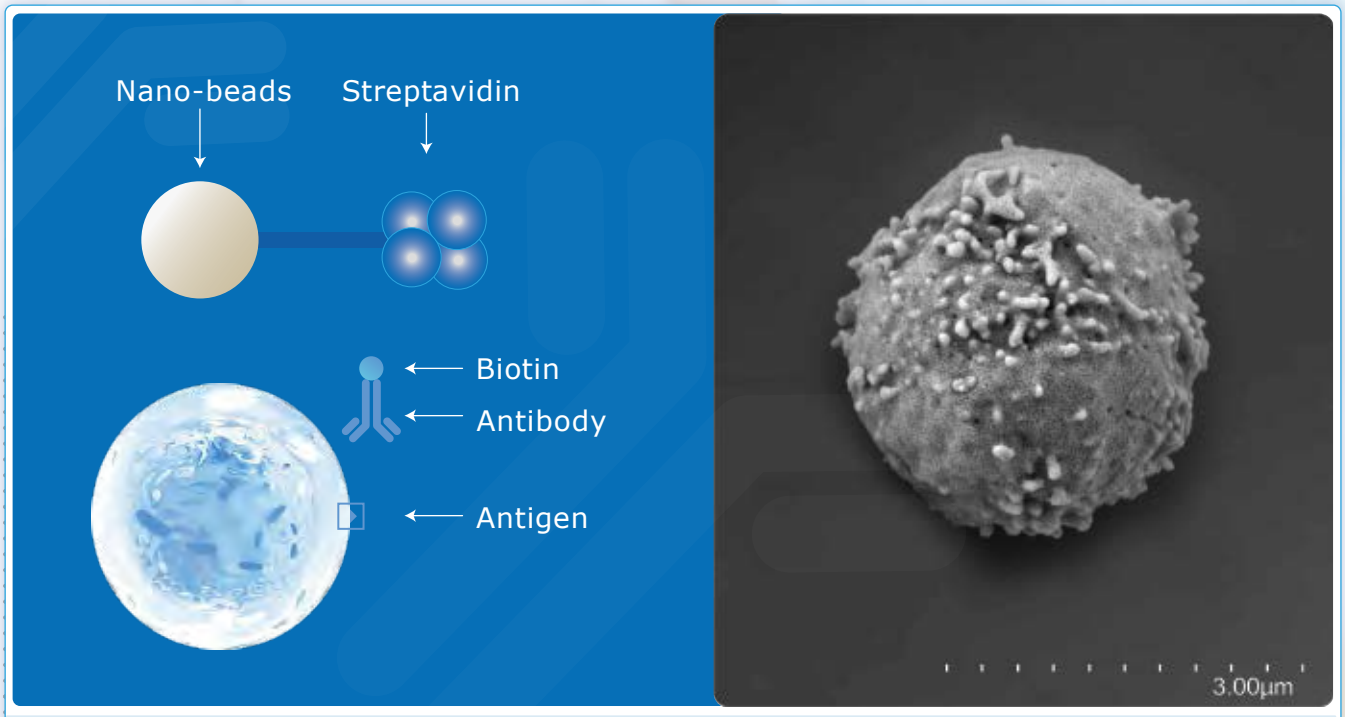
Combined with columns, high purity of cell sorting

Product Principle



The surface of Nano-beads are labeled with monoclonal antibody, then added to the cells. Nano-beads have good biocompatibility. The target cells with high purity and high viability can be sorted in a short time. These sorted cells can be directly applied to flow cytometry, cell culture, single cell sequencing and more.

Nano-Beads are important members of Magnetic Cell Separation System

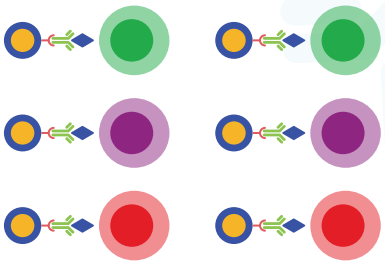


Nano-Beads are super magnetic polymer beads, which coated with a thin polymer shell to enclose magnetic materials. Nano-Beads are ideal materials for adsorbing or coupling various bioreactive molecules.

Product Component

Nano-Beads

- Combined with streptavidin
- Good biocompatibility
- Degradable and not affect the cell state
- Good stability & dispersion



LarSep Columns

- Filled hydrophilic coating
- Harmless to cells
- Aseptic packaging & single-use
- Capable of total cells: 10^7~2×10^9 cells

Separator

- Consisted of magnetic pole and separation stand
- High intensity magnetic field
- Capable of single channel or multi-channels

Cell Separation Kits

- Labeled with antibody and Nano-Beads
- Rich in species, including various human and mouse kits
- High purity & good viability

Product Advantages

Nano-Beads have good biocompatibility, and can be degraded.

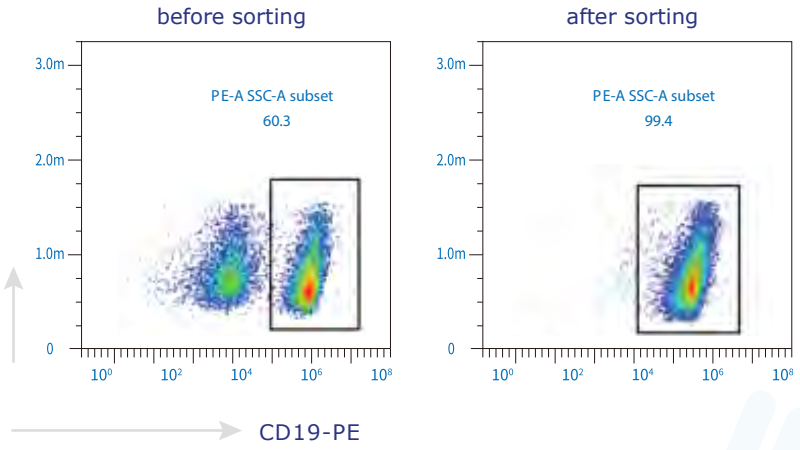
High purity and good viability.

Process is simple and rapid.

Sorted cells do not affect cell biology experiments.

Data Presentation

Mouse CD19+Cell Separation Kit(column, positive)

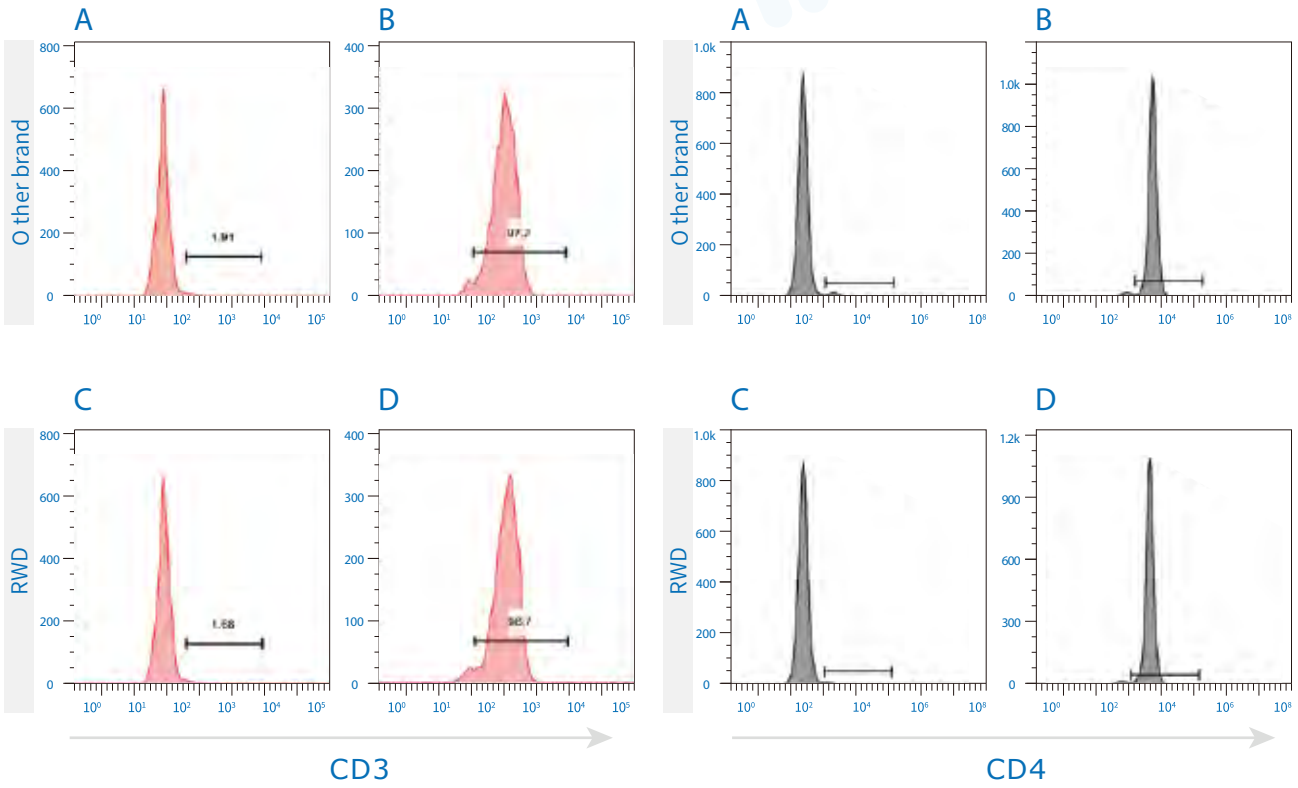


Sample :

C57 mouse spleen cells

- Percentage of CD19+ cells before separation: 60.3%
- Cell purity after separation: 99.4%
- Cell yield after separation: 71.66%
- Cell viability after separation: 95%

Comparison to other brand Mouse CD3+CD4+Cell Separation Kits



- CD3+ and CD4+ cell sorting experiments were carried out on mouse spleen single cell suspension
- RWD was used for CD3+ cell sorting, the negative tube residue was 1.68%, and the CD3+ cell purity was 96.7%, which was better than other brands.
- RWD was used for CD4+ cell sorting, the negative tube residue was 1.68%, and the CD4+ cell purity was 97.3%, which was better than other brands.

Ordering Information

Species	Product Name	Sorting mode	Cat No.	Specification	Storage	Term of validity
Mouse	Mouse CD3+ Cell Separation Kit	Positive	K1301-10	100 tests	2~8°C	12 months
	Mouse CD4+ Cell Separation Kit	Positive	K1302-10	100 tests	2~8°C	12 months
	Mouse CD8+ Cell Separation Kit	Positive	K1303-10	100 tests	2~8°C	12 months
	Mouse CD45+ Cell Separation Kit	Positive	K1304-10	200 tests	2~8°C	12 months
	Mouse CD19+ Cell Separation Kit	Positive	K1305-20	200 tests	2~8°C	12 months
	Mouse CD11b+ Cell Separation Kit	Positive	K1306-10	100 tests	2~8°C	12 months
Human	Human CD3+Cell Separation Kit(RUO)	Positive	K1201-10	100 tests	2~8°C	12 months
	Human CD4+Cell Separation Kit(RUO)	Positive	K1202-10	100 tests	2~8°C	12 months
	Human CD8+Cell Separation Kit(RUO)	Positive	K1203-10	100 tests	2~8°C	12 months
	Human CD14+Cell Separation Kit(RUO)	Positive	K1204-10	100 tests	2~8°C	12 months
	Human CD45+Cell Separation Kit(RUO)	Positive	K1205-10	100 tests	2~8°C	12 months
	Human CD19+Cell Separation Kit(RUO)	Positive	K1206-10	100 tests	2~8°C	12 months
	Human NK Cell Isolation Kit(RUO)	Negative	K1207-10	100 tests	2~8°C	12 months
/	Streptavidin Nano-Magnetic beads(RUO)	/	K1200-10	100 tests	2~8°C	12 months

	Product Name	Cat No.	Specification	Storage
Consumables	LarSep Columns	HCSC-25	25/pk	Room Temperature
	LarSep Columns	HCSC-10	10/pk	
	LSC Separator(single channel)	LSC-S1	1/ea	
	Separation stand	SS01	1/ea	
	Cell Separation assembly kit(single channel)	CSAK-01	1/ea