



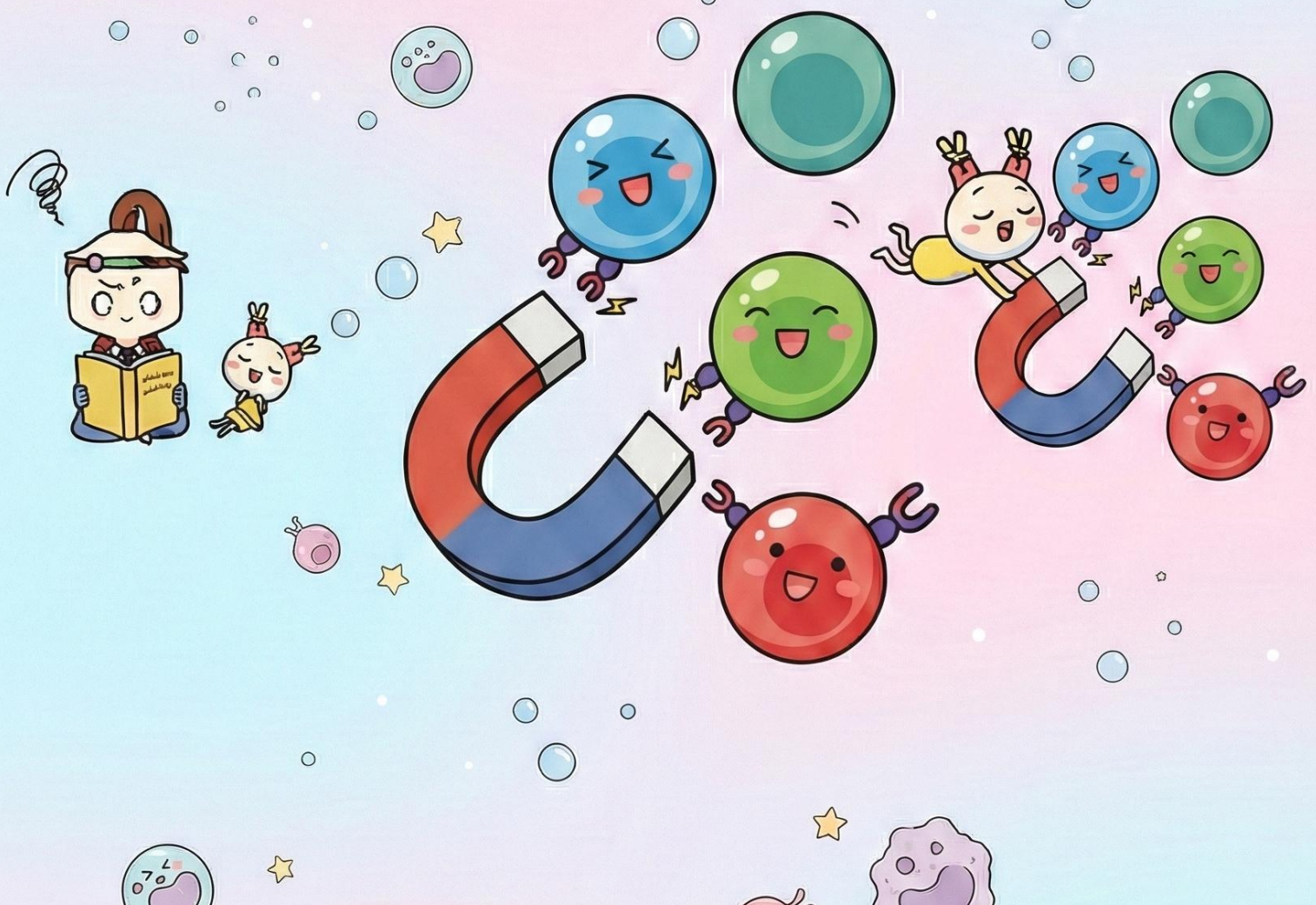
# SOLIDEX<sup>®</sup> Immune Cell Solution

## Product Catalogue 2026

### SOLIDEX<sup>®</sup>-ISOEx

#### Cell Isolation Kit & Nanobeads

ISOEx, Solid Isolation for Ex-cell Care



**GENEMEDI**  
Innovation In Gene Therapy & Biologics



Website: <https://www.genemedi.net>

E.mail: [support@genemedi.net](mailto:support@genemedi.net)



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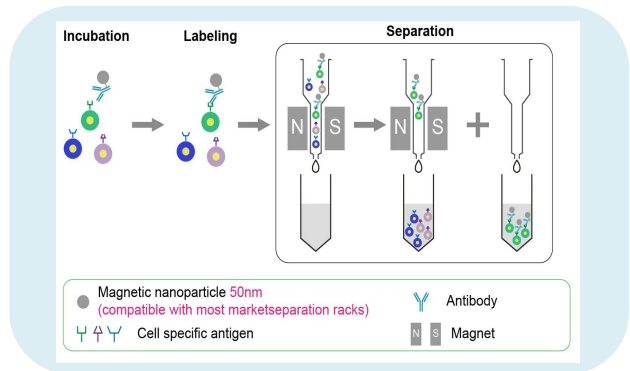
# SOLIDEX®-ISOEx Cell Isolation Kit & Nanobeads

## Dual-Platform Sorting Technology – Tailored to Your Experimental Needs

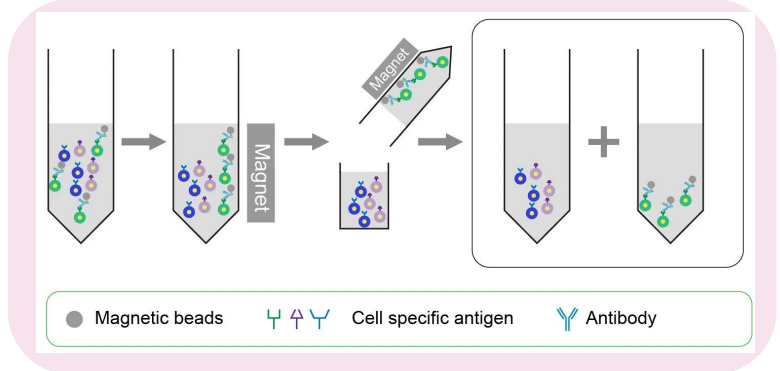


- SOLIDEX®-ISOEx is specifically designed for high-standard industrial and scientific research, providing **highly efficient and damage-free isolation solutions for human immune cells.**
- ✓ **Dual Separation Formats: Column-based & Column-free**
  - ✓ **Broad Immune Cell Coverage:** Human immune cells, such as NK cells, CD3+ / CD4+ / CD8+ / TCRα/β T cells, CD14+ / CD34+ / CD45RA+ cells
  - ✓ **Flexible Selection Strategies:** Positive selection / Negative selection (Untouched) / Depletion
  - ✓ **Compatible Sample Types:** Complex samples such as whole blood and PBMCs
  - ✓ **Key Advantages:** Efficiently isolates target cells or depletes unwanted cells

✔ Choose the separation workflow that best fits your experimental needs:



**Column-based Magnetic Separation**



**Column-free Magnetic Separation**

Category	Column-based	Column-free
Key Advantage	High purity and precise enrichment	Fast, simple, and scalable workflow
Operation	Structured, stepwise	Streamlined, easy-to-use
Throughput	Medium	Medium to high
Best For	Rare cells, high-purity needs	Routine isolation, fast processing
MagSuite	Column & Separator & Stand	Magnetic Sorter

### Application

Specific Immune Cell Preparation | T-Cell Engagers (TCE) | NK Engagers | Cell & Gene Therapy (CGT) | Single-Cell Multi-Omics Analysis | Immunology Research | Anti-Biotin Nanobeads based Isolation of Rare Cells from Whole Blood (e.g., Circulating Tumor Cells (CTCs), Circulating Fetal Cells (CFCs))

**SOLIDEX®-ISOEx Cell Isolation Kit & Nanobeads (Column-based)**

Cell Type	Catalog No.	Product Name	Isolation Method
NK cells	GM-NK-Cell-iso-kit	SOLIDEX®-ISOEx Untouched Human NK Cell Isolation Kit (Column-based)	Negative selection
CD3+ T cells	GM-Pan-T-Cell-iso-kit	SOLIDEX®-ISOEx Untouched Human CD3+ Pan-T Cell Isolation Kit (Column-based)	Negative selection
CD4+ T cells	GM-CD4-T-Cell-iso-kit	SOLIDEX®-ISOEx Untouched Human CD4+ T Cell Isolation Kit (Column-based)	Negative selection
CD8+ T cells	GM-CD8-T-Cell-iso-kit	SOLIDEX®-ISOEx Untouched Human CD8+ T Cell Isolation Kit (Column-based)	Negative selection
CD14+ CD16- classical monocytes	GM-Tg-hg-T23212-iso-kit-1	SOLIDEX®-ISOEx Untouched Human Classical Monocyte Isolation Kit (Column-based)	Negative selection
CD3+ T cells	GM-Tg-hg-T87075-iso-nanoIMB	SOLIDEX®-ISOEx Human CD3 Isolation Nanobeads (Column-based)	Positive selection
CD4+ T cells	GM-Tg-hg-T10191-iso-nanoIMB	SOLIDEX®-ISOEx Human CD4 Isolation Nanobeads (Column-based)	Positive selection
CD8+ T cells	GM-Tg-hg-TA040-iso-nanoIMB	SOLIDEX®-ISOEx Human CD8 Isolation Nanobeads (Column-based)	Positive selection
CD14+ cells	GM-Tg-hg-T23212-iso-nanoIMB	SOLIDEX®-ISOEx Human CD14 Isolation Nanobeads (Column-based)	Positive selection
TCRα/β+ T cells	GM-Tg-hg-MP2610-dep-kit	SOLIDEX®-ISOEx Indirect Human TCRα/β+ T Cell Depletion Kit (Column-based)	Positive selection / Depletion
CD19+ B cells	GM-Tg-hg-T56365-dep-kit	SOLIDEX®-ISOEx Indirect Human CD19+ B Cell Depletion Kit (Column-based)	Positive selection / Depletion
Universal NanoBeads	GMP-SMT-219-Ab01-nanoIMB	SOLIDEX®-ISOEx anti-Biotin Nanobeads (Column-based)	—

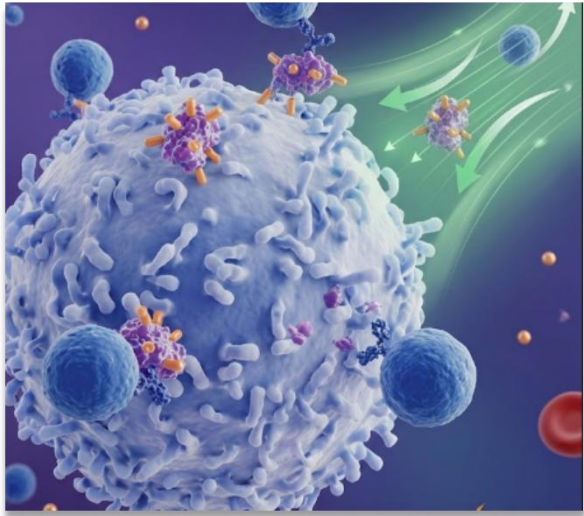
**SOLIDEX®-ISOEx Cell Isolation Kit & Nanobeads (Column-free)**

Cell Type	Catalog No.	Product Name	Isolation Method
NK cells	GM-NK-Cell-iso-kit-CF	SOLIDEX®-ISOEx Untouched Human NK Cell Isolation Kit (Column-free)	Negative selection
CD3+ T cells	GM-Pan-T-Cell-iso-kit-CF	SOLIDEX®-ISOEx Untouched Human CD3+ Pan-T Cell Isolation Kit (Column-free)	Negative selection
CD4+ T cells	GM-CD4-T-Cell-iso-kit-CF	SOLIDEX®-ISOEx Untouched Human CD4+ T Cell Isolation Kit (Column-free)	Negative selection
CD8+ T cells	GM-CD8-T-Cell-iso-kit-CF	SOLIDEX®-ISOEx Untouched Human CD8+ T Cell Isolation Kit (Column-free)	Negative selection
CD14+ CD16- classical monocytes	GM-Tg-hg-T23212-iso-kit-CF-1	SOLIDEX®-ISOEx Untouched Human Classical Monocyte Isolation Kit (Column-free)	Negative selection
Universal NanoBeads	GMP-SMT-219-Ab01-nanoIMB-CF	SOLIDEX®-ISOEx anti-Biotin Nanobeads (Column-free)	—
Universal NanoBeads	GMLS-Tag004-nanoIMB	SOLIDEX®-ISOEx Nano-Immunomagnetic Bead-Streptavidin	—

**Notes:** The standard packaging for all kits and Nanobeads products is optimized for processing 1 × 10<sup>8</sup>, 5 × 10<sup>8</sup>, 1 × 10<sup>9</sup> total cells (For larger bulk sizes, please contact GeneMedi).



## SOLIDEX®-ISOEx Cell Isolation Kit & Nanobeads (Column-based) 50nm Nanobeads × Column | Golden Standard in the Purity and Yield of Cell Isolation



SOLIDEX®-ISOEx Column-based series is engineered for high-standard **industrial and research** applications, utilizing **50 nm superparamagnetic nanobeads** featuring superior biocompatibility and high-efficiency **column** magnetic separation technology.

GeneMedi offers a comprehensive solution for human immune cell isolation, enabling isolation of target cells free of surface antibodies or magnetic nanobeads remnants.

### **Excellent Performance**

- ✓ High purity
- ✓ High recovery rate
- ✓ High viability

### **Zero Damage | Minimal Labelling**

- ✓ Little antibodies/Nanobeads remnants on cell
- ✓ Preserves the native cell state
- ✓ Compatible with downstream functional assays

### **Broad Compatibility | Time-Saving | Efficient**

- ✓ Fully compatible with mainstream cell sorting platforms
- ✓ Easy handling
- ✓ Time saving

### **Secure Supply Chain | Reliable Batch Stability**

- ✓ Vertically integrated
- ✓ Scalable Nanobeads supply

**SOLIDEX®-ISOEx Negative Selection (Column-based)**

**SOLIDEX®-ISOEx Untouched Human NK Cell Isolation Kit (Column-based)**

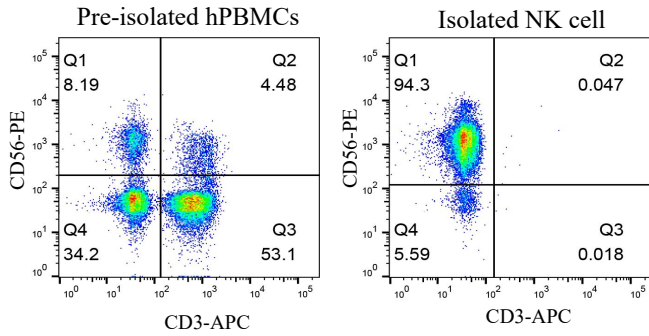


Figure 1. CD56+ NK Cell purity increased from an initial 8.19% to 94.3% post isolation.

**SOLIDEX®-ISOEx Untouched Human CD3+ Pan-T Cell Isolation Kit (Column-based)**

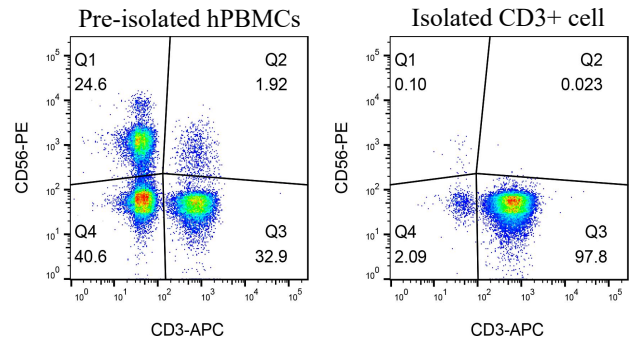


Figure 2. CD3+ T Cell purity increased from an initial 32.9% to 97.8% post isolation.

**SOLIDEX®-ISOEx Untouched Human CD4+ T Cell Isolation Kit (Column-based)**

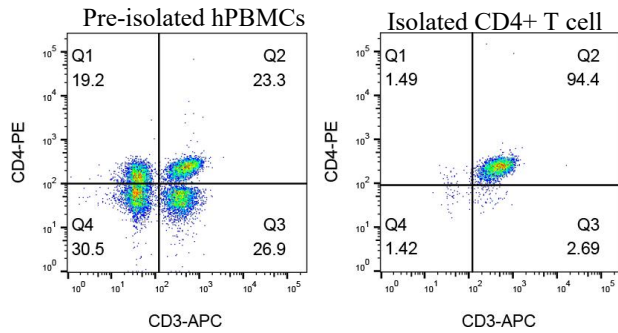


Figure 3. CD4+ T Cell purity increased from an initial 23.3% to 94.4% post isolation.

**SOLIDEX®-ISOEx Untouched Human CD8+ T Cell Isolation Kit (Column-based)**

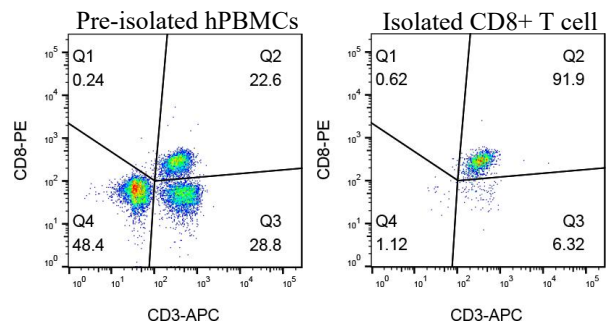


Figure 4. CD3+ T Cell purity increased from an initial 22.6% to 91.9% post isolation.

**SOLIDEX®-ISOEx Untouched Human Classical Monocyte Isolation Kit (Column-based)**

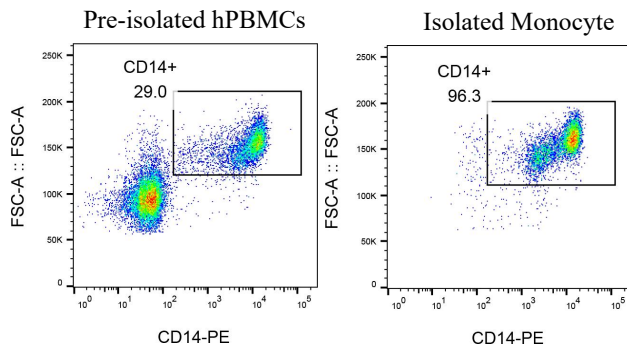


Figure 5. Monocyte purity increased from an initial 29.0% to 96.3% post isolation.

**SOLIDEX®-ISOEx Positive Selection (Column-based)**

**SOLIDEX®-ISOEx Human CD3 Isolation Nanobeads (Column-based)**

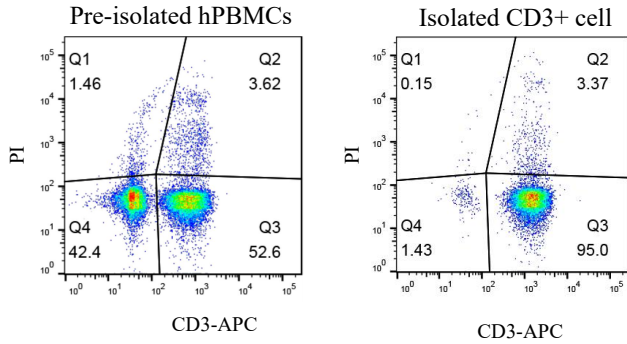


Figure 1. CD3+ T Cell purity increased from an initial 52.6% to 95.0% post isolation.

**SOLIDEX®-ISOEx Human CD4 Isolation Nanobeads (Column-based)**

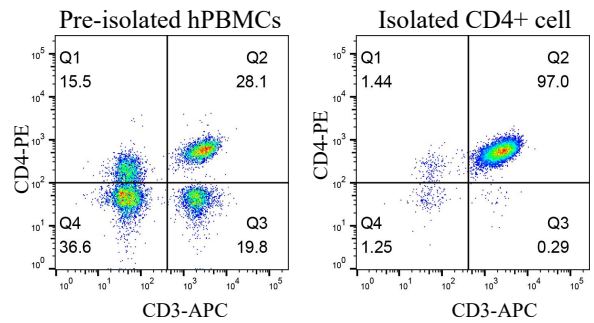


Figure 2. CD4+ T Cell purity increased from an initial 28.1% to 97.0% post isolation.

**SOLIDEX®-ISOEx Human CD8 Isolation Nanobeads (Column-based)**

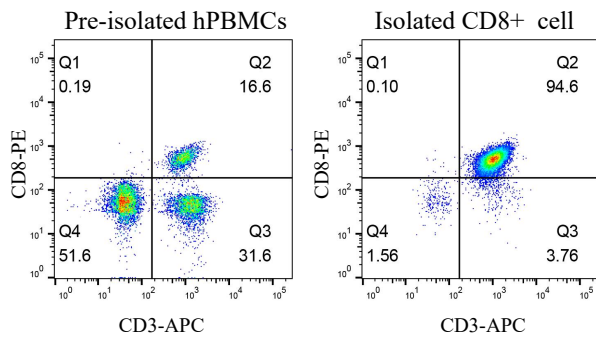


Figure 3. CD8+ T Cell purity increased from an initial 16.6% to 94.6% post isolation.

**SOLIDEX®-ISOEx Human CD14 Isolation Nanobeads (Column-based)**

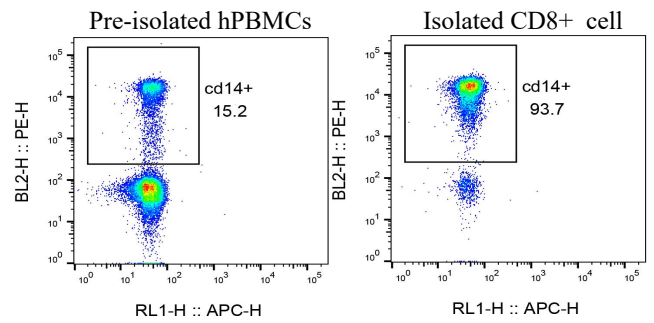


Figure 4. CD14+ Cell purity increased from an initial 15.2% to 93.7% post isolation.

**SOLIDEX®-ISOEx Depletion Kits Efficiently Remove Non-Target Cells (Column-based)**

**SOLIDEX®-ISOEx Indirect Human TCR $\alpha/\beta$  + T Cell Depletion Kit (Column-based)**

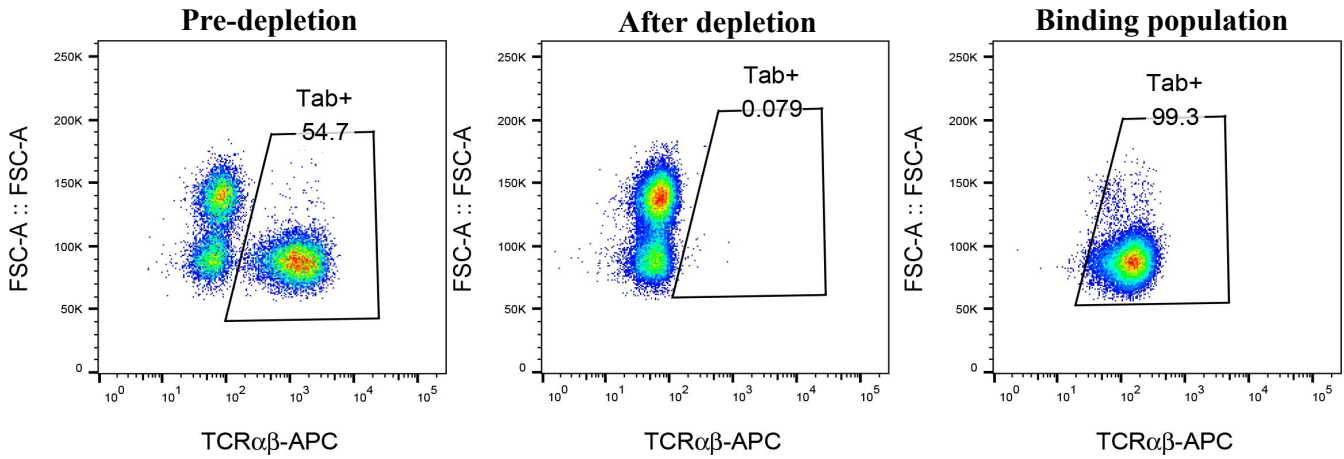


Figure 1. The proportion of TCR $\alpha/\beta$ + T cells was 54.7% pre-depletion and decreased to 0.079% after-depletion. Notably, 99.3% of the TCR  $\alpha\beta$ + T cells were successfully captured by the column and recovered in the elution fraction.

**SOLIDEX®-ISOEx Indirect Human CD19+ B Cell Depletion Kit (Column-based)**

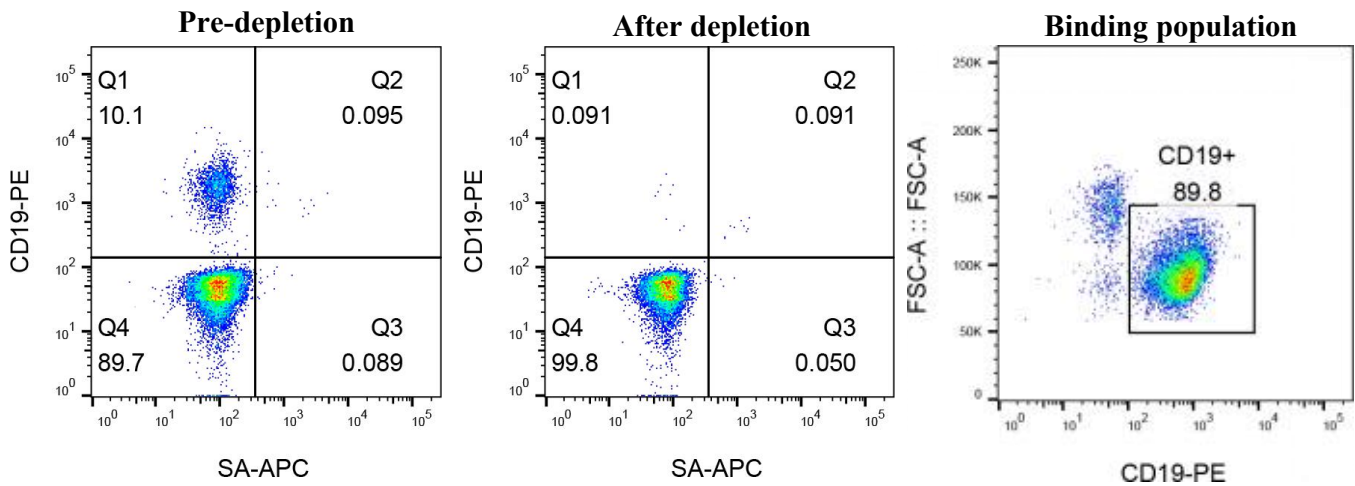


Figure 2. The proportion of CD19+ B cells in the sample decreased from 10.1% (pre-depletion) to 0.091% after depletion.

### SOLIDEX®-ISOEx Anti-Biotin Nanobeads (Column-Based)

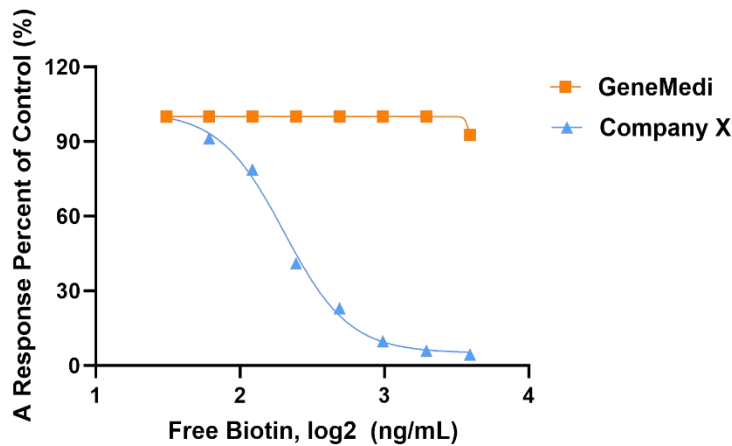


Figure 1. GeneMedi SOLIDEX®-ISOEx Anti-biotin Nanobeads (column-based) demonstrate high interference resistance and remain unaffected by the presence of free biotin.

#### Product Feature

- ✓ Unaffected by free biotin (suitable for whole blood)
- ✓ Efficient cell sorting
- ✓ Minimal impact on downstream applications
- ✓ Suitable for rare cell isolation, such as CTCs or low-abundance immune cell subsets

### SOLIDEX®-ISOEx L Column



**Total cell capacity: 1E7-2E9 cells**  
**Labeled positive cell capacity: 1E5-1E8 cells**

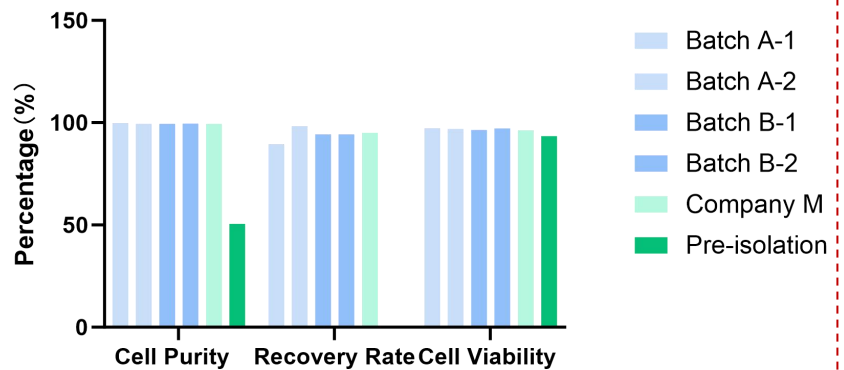


Figure 1. SOLIDEX®-ISOEx L Columns deliver outstanding results, with post-processing cell purity, recovery, and viability are all >90%.

#### Product Highlights

- Time-saving & Cost-efficient
- Quick & Easy operation
- **High compatibility: compatible with various brands of magnetic beads and magnetic racks**
- High purity, high recovery rate, high viability
- Batch consistency



## SOLIDEX®-ISOEx MagSuite: Column-based Magnetic Separators and Accessories

High-Gradient Column Technology — Uncompromising Purity & Maximum Recovery



### SOLIDEX®-ISOEx Magnetic Separator

Cat No.: GMP-ISOEx-Mag-LX1/LX4/MX1/MX8

#### Product Highlights

- ✓ High-Efficiency Capture
- ✓ Convenient Operation
- ✓ Flexible Throughput
- ✓ High Compatibility

### Accessories

#### SOLIDEX®-ISOEx Column

Cat No.: GMP-ISOEx-Column-L/M

#### Product Highlights

- ✓ Time-saving & Cost-efficient
- ✓ Quick & Easy Operation
- ✓ High Compatibility



#### SOLIDEX®-ISOEx Stand



SOLIDEX®-ISOEx Separators equipped with Columns.

### Product List

Catalog No.	Product Name	Size	Appropriate Isolation Column / Capacity
GMP-ISOEx-Column-L	SOLIDEX®-ISOEx L Column	Box (25 pcs)	Labeled cells: $1 \times 10^5 - 1 \times 10^8$ Total cells: $1 \times 10^7 - 2 \times 10^9$ with manual uses
GMP-ISOEx-Column-M	SOLIDEX®-ISOEx M Column	Box (25 pcs)	Labeled cells: $1 \times 10^4 - 1 \times 10^7$ Total cells: $1 \times 10^6 - 2 \times 10^8$ with manual uses
GMP-ISOEx-Mag-LX1	SOLIDEX®-ISOEx LX1 Magnetic Separator	1 piece	SOLIDEX®-ISOEx L Column
GMP-ISOEx-Mag-LX4	SOLIDEX®-ISOEx LX4 Magnetic Separator	1 piece	SOLIDEX®-ISOEx L Column
GMP-ISOEx-Mag-MX1	SOLIDEX®-ISOEx MX1 Magnetic Separator	1 piece	SOLIDEX®-ISOEx M Column
GMP-ISOEx-Mag-MX8	SOLIDEX®-ISOEx MX8 Magnetic Separator	1 piece	SOLIDEX®-ISOEx M Column
GMP-ISOEx-Mag-Stand-1	SOLIDEX®-ISOEx Stand	1 piece	/
GMP-ISOEx-Mag-Stand-2	SOLIDEX®-ISOEx Mini Stand	1 piece	/



## SOLIDEX®-ISOEx Cell Isolation Kit & Nanobeads (Column-free)

### Zero Column — Experience Speed & Simplicity with True Column-free Isolation



The SOLIDEX®-ISOEx **Column-free** series is engineered for high-standard industrial and research applications, utilizing superparamagnetic nanobeads with superior biocompatibility and an efficient column-free magnetic separation workflow.

GeneMedi provides a **fast, flexible, and reliable solution** for human immune cell isolation, enabling efficient cell separation and delivering target cells suitable for a wide range of downstream applications.

#### **High Throughput | Scalability | Broad Compatibility**

- ✓ No Capacity Limits
- ✓ Flexible Volumes
- ✓ Fully compatible with mainstream cell sorting platforms

#### **Rapid | Streamlined Workflow**

- ✓ Simplified Steps: Obtain isolated cells with just a simple pour
- ✓ Rapid Magnetic Capture

#### **Maximized Cell Viability | Ideal Untouched Isolation**

- ✓ Zero Shear Stress
- ✓ Gentle Processing

#### **Zero Column Cost | Consumables**

- ✓ No isolation column.
- ✓ Standard Tube Compatibility

## SOLIDEX®-ISOEx Negative Selection (Column-free)

### SOLIDEX®-ISOEx Untouched Human NK Cell Isolation Kit (Column-free)

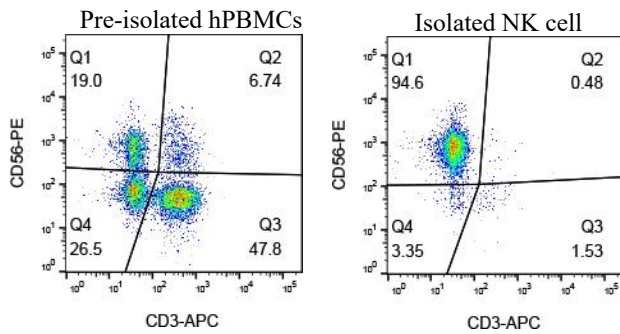


Figure 1. CD56+ NK Cell purity increased from an initial 19.0% to 94.6% post isolation.

### SOLIDEX®-ISOEx Untouched Human Pan-T Cell Isolation Kit (Column-free)

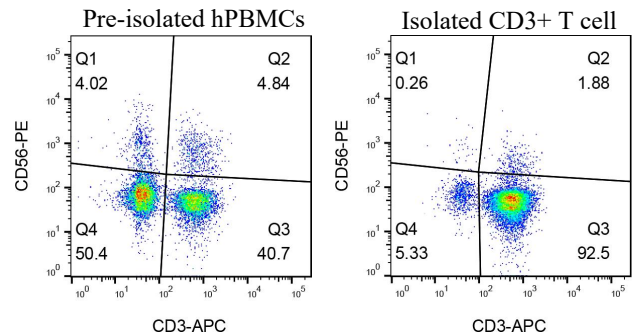


Figure 2. CD3+ T Cell purity increased from an initial 40.7% to 92.5% post isolation.

### SOLIDEX®-ISOEx Untouched Human CD4+ T Cell Isolation Kit (Column-free)

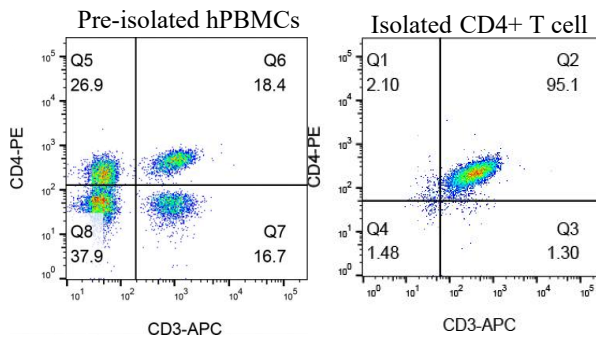


Figure 3. CD4+ T Cell purity increased from an initial 18.4% to 95.1% post isolation.

### SOLIDEX®-ISOEx Untouched Human CD8+ T Cell Isolation Kit (Column-free)

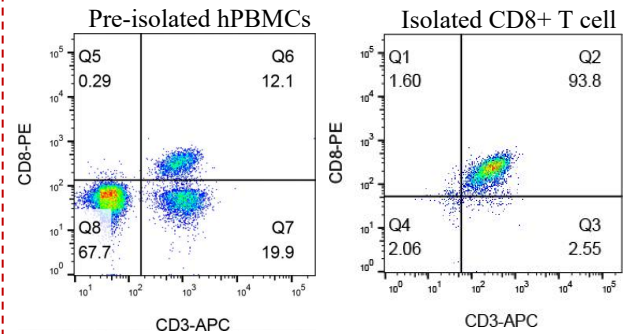


Figure 4. CD8+ T Cell purity increased from an initial 12.1% to 93.8% post isolation.



## SOLIDEX®-ISOEx MagSuite: Column-free Magnetic Sorters

**Zero Column — Experience Speed & Simplicity with True Column-free Isolation**



### SOLIDEX®-ISOEx Magnetic Sorter

Cat No.: GMP-ISOEx-Mag-S5/15/50

#### Product Highlights

- ✓ Rapid Isolation
- ✓ Efficient Capture
- ✓ Flexible Sample Processing
- ✓ High Compatibility

#### Product List

Catalog No.	Product Name	Size	Compatible Equipment
GMP-ISOEx-Mag-S5	SOLIDEX®-ISOEx Magnetic Sorter-5	1 piece	A standard 5 mL (12 x 75 mm) polystyrene tube
GMP-ISOEx-Mag-S15	SOLIDEX®-ISOEx Magnetic Sorter-15	1 piece	A standard 14 mL (17 x 95 mm) polystyrene tube
GMP-ISOEx-Mag-S50	SOLIDEX®-ISOEx Magnetic Sorter-50	1 piece	A standard 50 mL conical tube



# About GeneMedi

GeneMedi was founded in 2018 by a team of interdisciplinary experts in drug discovery, CMC process development, computational biology, and materials chemistry. GeneMedi is dedicated to empowering cell and gene therapy (CGT) development through high-efficiency purification and rigorous quality control solutions.



**Our mission:** Innovate biologics to empower gene and cell therapy. GeneMedi combines world-class technology platforms with a rigorous quality management system. GeneMedi deliver reliable, high-performance solutions to global clients, helping to accelerate drug R&D.

## SOLIDEX®-ISOEx Technical Platforms



### GM-ExBeads™ Microsphere Engineering & Modification

Features full-scale bead synthesis capabilities. Utilizing proprietary surface chemistry, it achieves oriented ligand arrangement and steric optimization to effectively eliminate non-specific aggregation.



### GM-LIBRA™ AI-Driven Ligand Evolution

Leverages AI for precise epitope prediction and binding analysis. By identifying optimal antibodies, it significantly enhances capture efficiency while minimizing non-specific adsorption.



### GM-ExImmune Integrated Immune Cell Verification

Strictly validates the viability and functionality of sorted cells. It provides panoramic immunophenotyping analysis to meet the specific demands of advanced immunotherapies, including T/NK Cell Engagers.

## Core Advantages

### International Quality Management System

GeneMedi strictly follow ISO 9001 and ISO 13485 standards and implemented a digital quality traceability system to ensure exceptional product quality.

### Professional Team

Our team of 60+ cross-disciplinary experts brings over 10 years of average industry experience and in-depth knowledge of GCT and antibody development requirements.

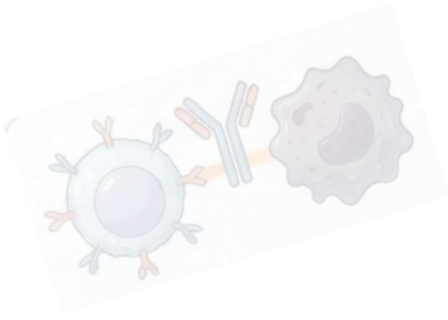
### Technology Innovation

AI-driven product design platform is integrated with a million-level biological big data database to speed up product iteration and enhance performance.

## Request product sample

➤ Scan the QR Code





# GeneMedi Value

Human Benefits

Mr's Right in Hard

Curiosity & Creativity

Longtermism



Scan the QR Code  
Request product samples

