CELLBRI

# Gentle n-MagS™

## Fully Automatic n-MagS Cell Sorting System

AUTO

Automated

Flexible

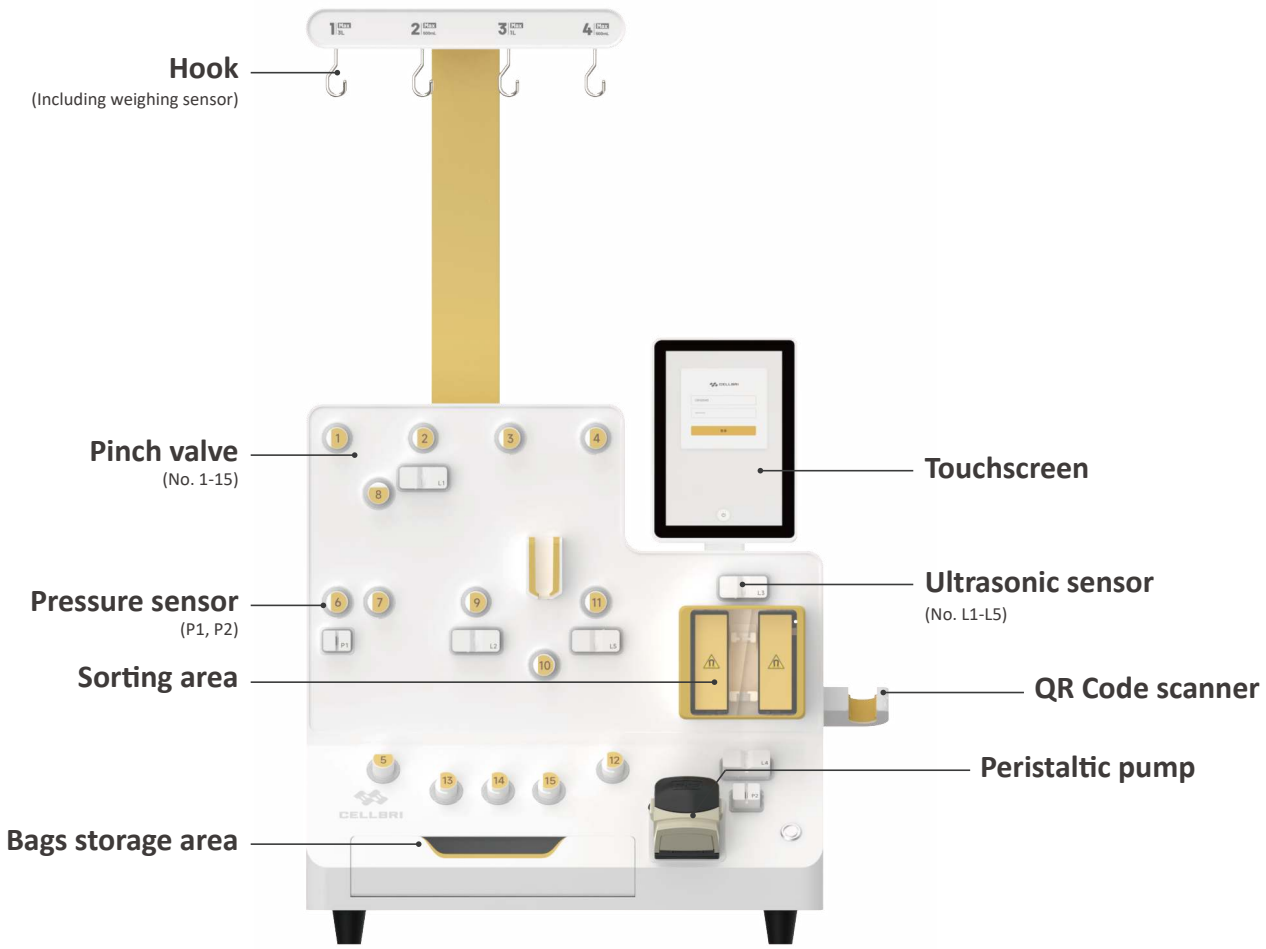
Fully closed

# Overview

The Gentle n-MagS™ consists of a filtration system, a fluid flow direction control system, and a software control system. Equipped with disposable sterile, fully closed tubing set, this system is capable of flexibly addressing the varied nanobeads processing needs of customers while also achieving a fully automated nanobeads isolation function.

The Gentle n-MagS™ and Gentle Flex can be used together easily. After incubating the nanobeads on the Gentle Flex, samples can be transferred to Gentle n-MagS for magnetic sorting .

- The innovative function of medium elution simplifies the procedure and improves cell viability.
- Use of online sampling technology for regulating the cell density in the final product bag.
- Pre-filtration disposables reduce tubing blockage caused by cell clumping.
- A high-precision weighing module allows for dynamic monitoring of the fluid volume, eliminating the need for manual operation to improve efficiency and accuracy.



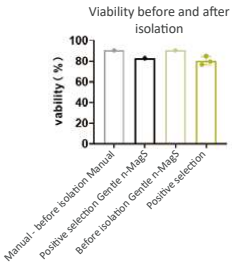
# Product Features

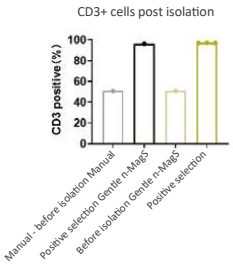
## Gentle n-MagS™ performance parameters:

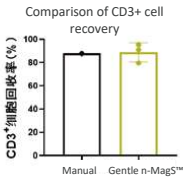
- Purity: > 95%
- Yield: > 60%
- Cell viability: > 95% of initial cells
- Processing time≈45min

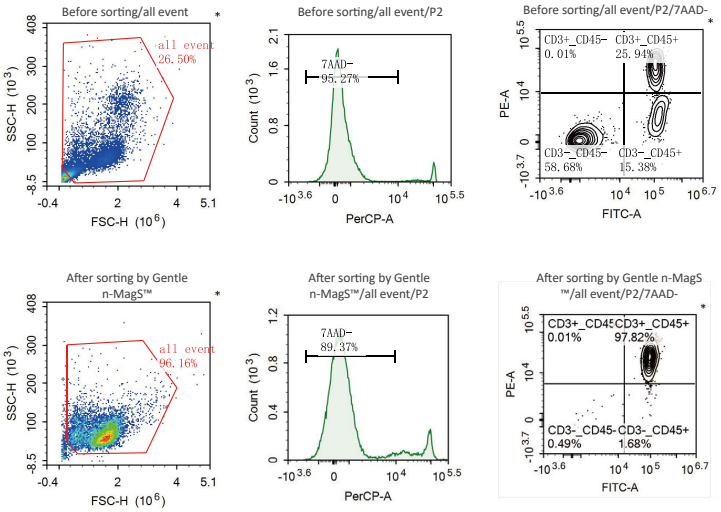
**Nanobeads: CD3 Sample: Cryopreserved apheresis after washing**

| Group | Nanobeads | PBMCs cells count |
|---|---|---|
| Manual | CD3 | 3.1E8 |
| Gentle n-MagS™ | | 3.0~3.5E8 |



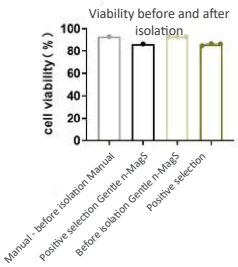



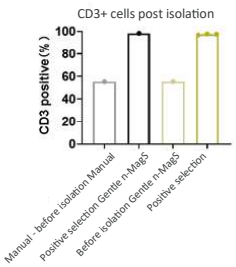



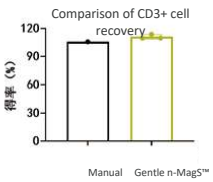



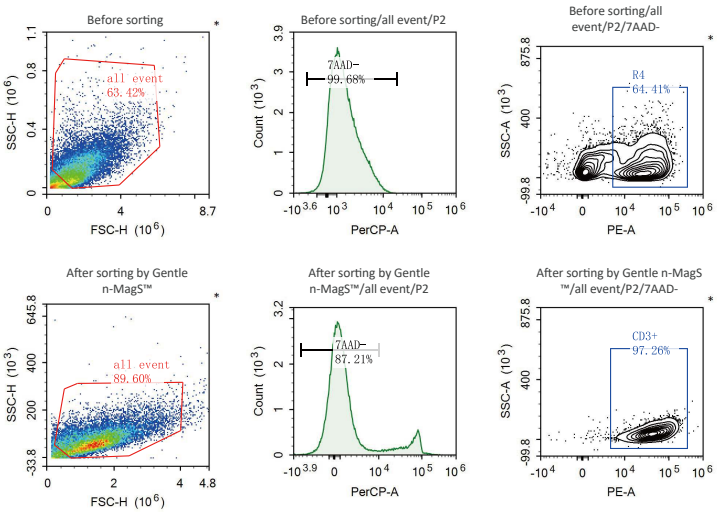

**Nanobeads: CD3 Sample: PBMCs isolated from fresh apheresis**

| Group | Nanobeads | PBMCs cells count |
|---|---|---|
| Manual | CD3 | 3.4E8 |
| Gentle n-MagS™ | | 3.0~3.5E8 |



## Order Information

| Cat# | Protocol software | Description |
|---|---|---|
| 01020267 | Disposable cell isolation kit(single column) | Fresh PBMCs,Cryopreserved PBMCs,cryopreserved apheresis |
| 01020268 | Disposable cell isolation kit(double columns) | Fresh Apheresis |

## Product Specifications

| Specification parameters | |
|---|---|
| Size | 17.72×26.77×41.73 in. |
| Weight | 123.46lb |
| **Power consumption parameters** | |
| Power supply | 100-240 VAC,50/60 Hz |
| Power | 450V |
| **Port parameters** | |
| USB | 2.0x2 |
| Ethernet port | 100Mbit/s |
| **Main unit parameters** | |
| Monitor | 10.1-inch TFT capacitive touch screen |
| Sensors | Pressure sensor x2; Ultrasonic sensor x5; Weighing sensor x4 |
| Hook | 4 pieces |
| Liquid delivery devices | Pinch valve、Peristaltic pump、Pump rate：4~400 mL/min |
| Consumables | Disposable fully enclosed consumables |
| Software | Linux |

# Cell and Gene Therapy Productivity Transformer

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