



# CellSep™ MAX

An Automated Closed Cell Processing  
with Continuous-flow Technology

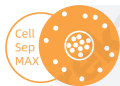
• Processing Kit



- Low Labor Cost** - Simplify the complex operation process, one person can operate multiple devices
- High Concentration Efficiency** - Concentrate 5L of cell fluid in as little as 25 minutes
- High Washing Efficiency** - The customized process can ensure that the impurity residue is less than 0.01%
- Data Traceability** - Meet audit requirements, complete and traceable data
- High Degree Of Customization** - Customers can customize exclusive equipment and processes according to actual needs

## APPLICATIONS

- CellSep™ MAX can process the centrifugal concentration of large-volume cell suspensions, remove the original medium and other impurities by washing liquid, and the addition of specific preparation solutions to dispense the product into small packages on demand, completing the continuous process of concentration, washing, and simple dispense in a single step.
- CellSep™ MAX is suitable for the development and production of cell therapy products, as well as various cell therapy process types such as CAR-T, U-CART, CIK, TIL, CAR-NK, NK, iPSC, etc.



Concentration



Fill & Finish



Subpackage

## OPERATING PRINCIPLE

- With processing kit, the cell fluid continuously flows through the centrifuge cup by the peristaltic pump. Under the action of centrifugal force, the cells are trapped in the cup, and the original medium flows into the waste bag, thus realizing the continuous processing of large volumes of cell fluid.

## OPERATION PROCESS AND PARAMETERS

| Process         | Performance             | Parameter     |
|-----------------|-------------------------|---------------|
| Cell Enrichment | Centrifugal Force       | 0~1400 g      |
|                 | Concentration Flow Rate | 0~200 mL/min  |
|                 | Sample Throughput       | 1~10 L        |
| Cell Washing    | Centrifugal Force       | 0~1400 g      |
|                 | Washing Efficiency      | > 99%         |
| Cell Bagging    | Subpackage              | Bag on demand |

## EQUIPMENT PERFORMANCE VERIFICATION DATA

| Cell Type      | Cell Density      | Sample Volume | Cell Recovery Rate | Cell Viability Before Recovery | Cell Viability After Recovery | Total Time |
|----------------|-------------------|---------------|--------------------|--------------------------------|-------------------------------|------------|
| 293T           | 2.00E+06 cells/mL | 3 L           | > 90%              | 98%                            | > 97%                         | 60 min     |
| Immune T cells | 1.70E+06 cells/mL | 2 L           | > 85%              | 95%                            | > 95%                         | 50 min     |

## EQUIPMENT PARAMETERS

| Performance            |      | Parameter                  |          |
|------------------------|------|----------------------------|----------|
| Size                   |      | 490*687*883 mm             |          |
| Weight                 |      | 35 kg                      |          |
| Operating System       |      | Linux                      |          |
| Separation System      |      | Continuous-flow Separation |          |
| Centrifugal Cup Volume |      | 100 mL                     | 300 mL   |
| Cell Load              | 293T | 6.60E+09                   | 3.00E+10 |
|                        | PBMC | 2.00E+10                   | 1.00E+11 |
| Centrifugal Speed      |      | 0~3000 rpm                 |          |
| Voltage                |      | 110 VAC~220 VAC            |          |
| Ambient Temperature    |      | 10~30°C                    |          |

Shenzhen Eureka Biotechnology Co., Limited

Tel: +86-755-86562586

E-mail: [enquiry@eurekabio.com](mailto:enquiry@eurekabio.com)

Web: [www.eurekabio.com](http://www.eurekabio.com)

Add: 8F, City Garden Cyberport Building, No.1079 Nanhai Boulevard,  
Nanshan District, Shenzhen 518067