



ACS Material Equipment Series

BioMatec™ Sorter System

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I. Product Overview

1) Main Unit



BioMatec™ Sorter System

II. Product Features

The BioMatec™ Sorter System is an advanced automated system that utilizes magnetic separation technology for efficient and precise cell sorting. With its disposable tubing design, the platform ensures easy installation, seamless parameter configuration, and sterile cell enrichment or depletion. The process is not only safe and efficient but also guarantees high product purity, recovery rates, cell viability, and reproducibility. Beyond cell sorting, the platform offers flexible configuration and optimization of parameters and processes to suit specific workflows. It also features hierarchical permission management, electronic record-keeping, and comprehensive audit trails, all accessible through a pre-configured remote operation interface.

Key Features

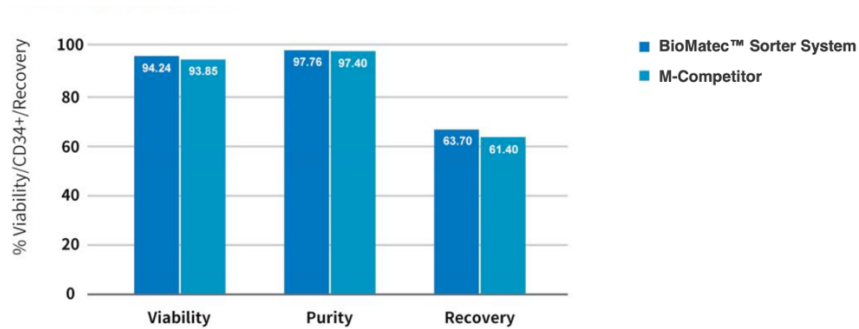
- **Versatile Cell Sorting:** Meets sorting requirements for various cells, such as T cells, NK cells, and hematopoietic stem cells.
- **High Performance:** Achieves high cell viability and purity.
- **User-Friendly Interface:** Equipped with screen monitoring and data tracking capabilities.

- **Customizable Control:** Program requirements can be tailored according to customer needs, offering high flexibility.
- **GMP-Compliant Enclosure:** Meets GMP production standards.

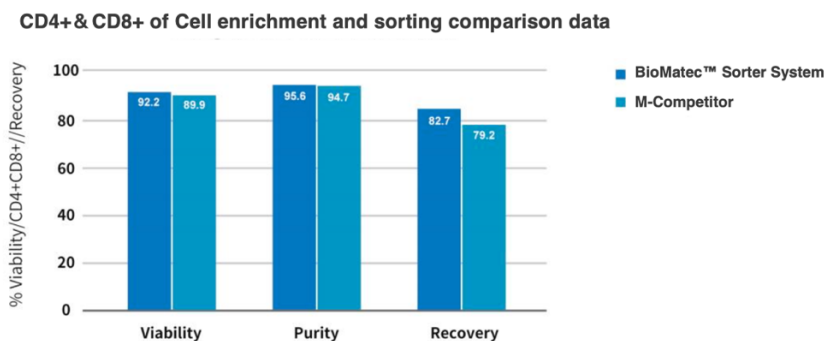
III. Product Specifications

Product Name	BioMatec™ Sorter System
SKU	EBMSS001
Dimensions	460 × 490 × 1300mm (d × w × h)
Weight	45kg
Power Supply	220VAC, 50/60Hz
Rated Power	400W
USB Ports	3
Ethernet Port	1 x 100Mbps Ethernet port
Display	12.1-inch touchscreen
Operating System	Linux system
Software Functions	Built-in programs, customizable
Pipeline Consumables	Disposable pipeline consumables
Compatible Reagents	Compatible with various sorting reagents
Magnetic Cell Sorting	Enrichment sorting, Depletion sorting
Initial Sample	Whole blood, apheresis blood, PBMC
Ambient Temperature	10~35°C
Relative Humidity	20~80%
Storage Temperature	0 ~ 40°C

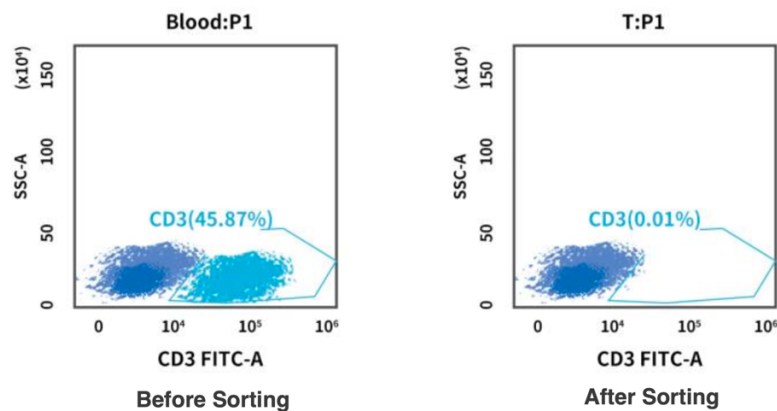
IV. Reference Data



Sorter System CD34+ of Cell enrichment and sorting comparison data



Sorter System CD4+ & CD8+ of Cell enrichment and sorting comparison data



BioMatec™ Sorter System CD3+ of Cell Depletion Sorting Data

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