

gibco



Close your system, free your process

The CTS Rotea System—a closed cell processing system for cell therapy manufacturing

The multipurpose Gibco™ CTS™ Rotea™ Counterflow Centrifugation System offers exceptional flexibility. This highly versatile system features user-programmable software, a broad range of cell processing applications, and utility from research through commercial manufacturing.

Key benefits

- **Low output volumes**—proprietary technology can deliver as little as 5 mL of concentrate
- **Process flexibility**—user-programmable software enables you to create and optimize a broad range of protocols for cell separation, washing, and concentration
- **High cell recovery and viability**—gentle processing enables >95% cell recovery while maintaining cell viability
- **Research through commercial manufacturing**—the closed single-use kit enables sterile processing, and an OPC-UA interface enables connectivity to a 21 CFR Part 11—compliant system

ThermoFisher
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The CTS Rotea system is a complete, closed cell processing system.



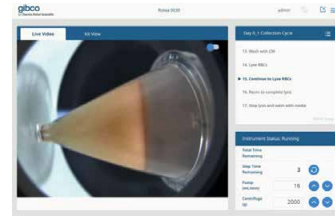
Instrument

- Compact
- Multipurpose
- Easily integrates into your process



Single-use kit

- Sterile
- Closed
- Flexible input and output ports

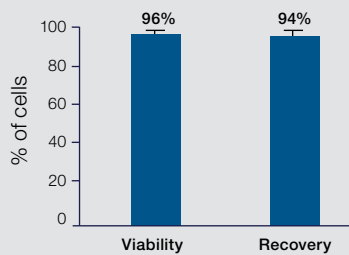


Software

- Intuitive user-programmable interface
- Preset protocols available
- Suitable for GMP manufacturing

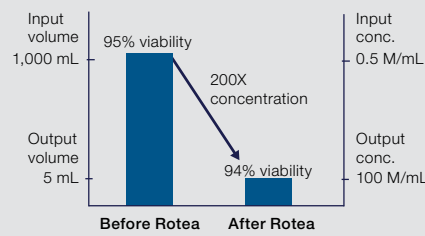
High cell recovery and viability

Viability and recovery of T cell washing and concentration



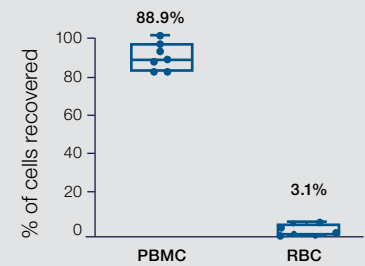
Gentle processing enables >90% cell recovery while maintaining cell viability through T cell washing and concentration. High reproducibility was demonstrated over 10 runs.

200X T cell concentration with 97% recovery



The CTS Rotea system was used to concentrate 500 million T cells in a starting volume of 1,000 mL down to 5 mL achieving 97% cell recovery while maintaining viability of 94%.

High PBMC recovery from a leukopak



The CTS Rotea system can achieve approximately 90% PBMC recovery from a leukopak in combination with a red blood cell lysis buffer across multiple donors (n=7).

Ordering information

CTS Rotea Counterflow Centrifugation System (instrument, laptop, and software) with service package	Cat. No.
CTS Rotea Counterflow Centrifugation System + 2 year warranty (including OQ after PM) + IQOQ	A50757*
CTS Rotea Counterflow Centrifugation System + 2 year warranty (including PM)	A47695**
	A50760*
	A47679**
Consumables	
CTS Rotea Single-Use Kit (10 pk)	A49585
CTS Rotea Single-Use Kit (5 pk)	A49313
CTS Rotea Hi-Flow Single-Use Kit (10 pk)	A46575
CTS Rotea Hi-Flow Single-Use Kit (5 pk)	A49239
Accessories	
Rotea Kit Tube Clamps (100 pk)	A49127
Rotea Kit Sterile Connectors (10 pk)	A50110
Rotea Kit Sterile Sample Ports (10 pk)	A50111

* North America, Europe.

** Rest of World

Note: Instrument and Consumable Regulatory Support File available upon request at thermofisher.com/regulatory

Find out more at thermofisher.com/rotea