

CTS Rotea Counterflow Centrifugation System

Closed cell therapy processing system



Key features of the Gibco™ CTS™ Rotea™ Counterflow Centrifugation System

- **Low output volumes**—proprietary technology can deliver as little as 5 mL of cell concentrate
- **Process flexibility**—user-programmable software enables customer-controlled protocol development and optimization across a broad range of applications (i.e., cell separation, washing, concentration)
- **High cell recovery and viability**—gentle processing enables >95% cell recovery with the ability to maintain cell viability
- **From research through commercial manufacturing**—closed single-use kit enables sterile processing, and software options are available to help enable 21 CFR Part 11 compliance

Specifications

Instrument

Centrifugal force	3,000 x g
Peristaltic pump flow rate	5–110 mL/min
Centrifuge chamber volume	10 mL
Cell count per chamber load	5 x 10 ⁷ –5 x 10 ⁹ cells*
Output cell concentration	5 x 10 ⁶ –300 x 10 ⁶ cells/mL
Recommended input volume range	50 mL–20 L
Minimum output volume	5 mL
Maximum fluid density	1.10 g/mL
Operating noise level	<70 dBA
Dimensions (H x W x D)	16 (body only)/30 (with bag poles) x 11.4 x 20 in. (40.6 (body only)/76.2 (with bag poles) x 29 x 50.8 cm)
Weight	44 lb (20 kg)
Computer	Dell™ system, validated by Thermo Fisher Scientific for use with the CTS Rotea system
CTS Rotea Counterflow Centrifugation System	A47679 (CTS Rotea system with 2-year service) A47695 (CTS Rotea system with 2-year service and IQ/OQ)

Consumables

Kit tubing material	DEHP-PVC
Tube dimensions	0.160 in. OD, 0.116 in. ID (4 mm OD, 3 mm ID)
Pump tube material	Bioprene™ plastic
Counterflow centrifuge chamber material	Tritan™ copolyester MX711
Sterilization method	Gamma irradiation
Single-use kits	Standard kits: A49585 (10 pk), A49313 (5 pk); Hi-flow kits: A46575 (10 pk), A49239 (5 pk)

* Dependent upon cell type. Centrifuge can be filled multiple times to process larger batches.

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

 Find out more thermofisher.com/rotea



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