

Embark on the remarkable

Thermo Scientific cell and gene therapy lab products

Advancing cell therapy by minimizing roadblocks

Scientists rely on Thermo Scientific cell and gene therapy lab products for repeatable yields, improved user experience, and streamlined workflows — advancements in technology that generate breakthroughs in cell therapy. And the discoveries they make are helping patients overcome historically terminal events.

5M

Nearly 5M more Americans will survive cancer in 2026 than in 2016.

National Cancer Institute

\$100M

Starting in 2020 the NIH and the Gates Foundation will each invest \$100M toward developing gene-based cures for sickle cell disease and HIV.

TIME magazine

\$12B

Statistics show an expected increase in the cell and gene therapy market from \$8B in 2018 to over \$12B in 2020.

Deloitte

Thermo Scientific™ Cell Therapy Systems (CTS) laboratory equipment

Providing you with proven solutions for commercial cell and gene therapy manufacturing

From lead scientists to process engineers and project managers, there is a need for tools built by scientists for scientists with advanced capabilities that address core challenges in key areas:

- Capacity
- Cell viability
- Contamination control
- Cleaning/ disinfecting
- Documentation



Thermo Scientific™ Herasafe™ 2030i Biological Safety Cabinets — CTS Series

- Large internal work area and fully opening front sash
- SmartFlow™ Plus technology maintains protection and mitigates contamination risk
- Compensated Cross Beam UV provides consistent disinfection cycles
- On-board data/event logging and connectivity-ready



Thermo Scientific™ General Purpose Pro Centrifuges — CTS Series

- TX-1000 swinging bucket rotor increases capacity
- SMARTSpin™ rotor management
- ClickSeal™ biocontainment lids reduce contamination risk
- Fiberlite™ rotors offer increased chemical resistance
- On-board tracking improves documentation



Thermo Scientific™ Forma™ Steri-Cult™ CO₂ Incubator — CTS Series

- Largest stackable chamber option expands capacity
- Active air circulation from in-chamber fans provide homogeneous conditions for improved cell viability
- HEPA filtration and a separate water reservoir reduce contamination risk
- Electropolished interior and proven 12-log sterilization improve cleanability
- 4-20mA data output for interfacing with external data collection systems

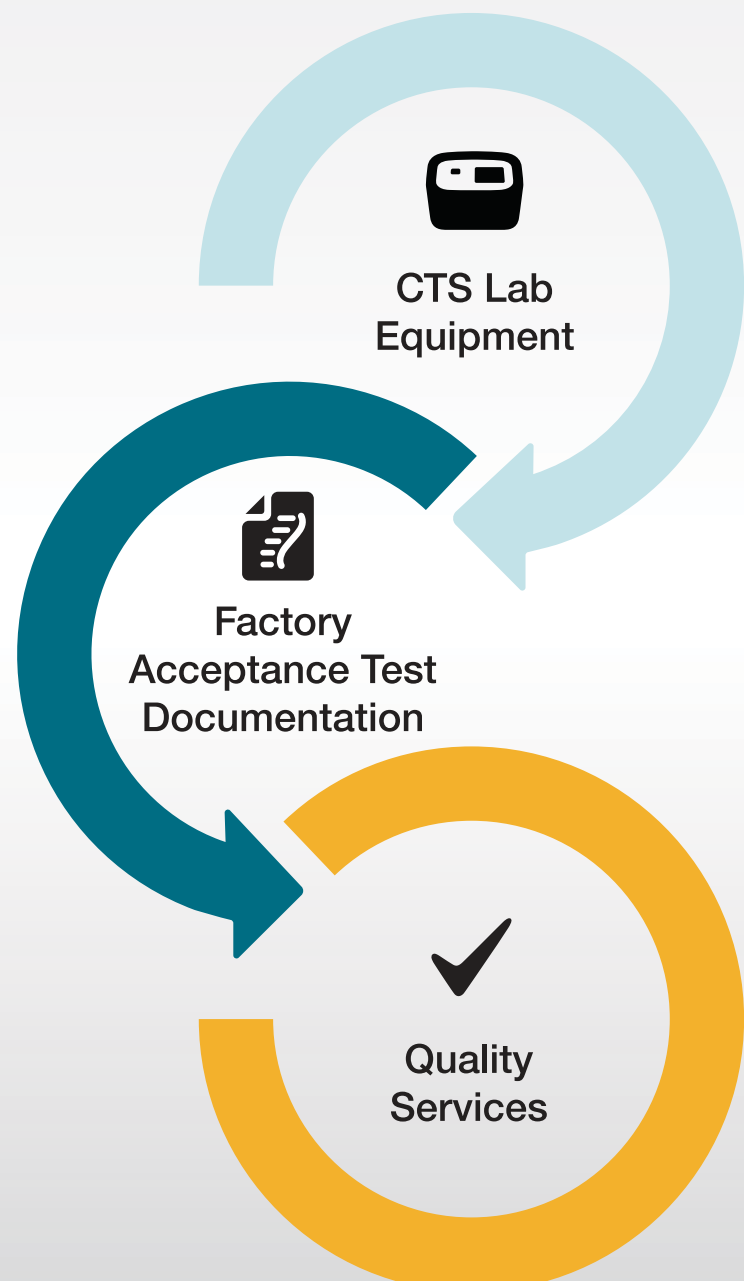


Thermo Scientific™ CryoMed™ Controlled-Rate Freezers — CTS Series*

- Three standard sizes available, plus customizable size options, to accommodate scaling production needs
- Factory preset and user-customizable freezing profiles allow users to determine the rate of freezing based on the cell type
- Powder-coated stainless-steel exterior and interior are compatible with vaporized hydrogen peroxide (VHP) cleaning procedures
- Hard copy records for every run provide detailed information and support 21 CFR part 11 requirements

* CTS series only currently available in North America. Availability in Europe to be confirmed. Standard model available world-wide.

Cell Therapy Solutions



Products enhanced with compliance, support, and field services

Thermo Scientific integrated solutions support your GMP and clean room need for cell and gene therapy — from CO₂ incubators and centrifuges to cold storage, biological safety cabinets, and beyond — with innovations supported by the most trusted source of high-quality materials, factory acceptance certification, and on-site compliance support.

Get up and running faster, stay compliant, support regulatory audits, and stay on schedule as you translate your cell therapy from discovery to clinical research and commercial manufacturing.



Factory Acceptance Test (FAT) Documentation Binder

Comprehensive documentation package that supports a timely and rapid validation process



Qualification Services

Gain confidence with our requalification guarantee and reduce your risk of non-compliant instruments

- Stay compliant with our industry-exclusive, no-charge requalification guarantee
- Pass audits the first time with our robust and easy-to-understand OEM qualification protocols and harmonized documentation
- Stay on schedule with our full-range, single-source support from experienced engineers



Service Solutions

- Installation Qualification (IQ)
- Operation Qualification (OQ)
- Cycle Testing
- Temperature Control

Learn more about how Thermo Fisher Scientific advances cell and gene therapy with proven technology and expertise that support you as you embark on the remarkable.

Visit thermofisher.com/ctslabequipment

ThermoFisher
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