

EMBARK ON THE REMARKABLE

CELL AND GENE THERAPY LABORATORY EQUIPMENT

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 could help patients overcome historically terminal events.

10–20 therapies

As many as 10-20 new therapies could be FDA approved each year, starting in 2025.

U.S. Food and Drug Administration

>1,000 developers

Targeting oncology, neurology, viral diseases and genetic dysfunctions, more than 1,000 cell and gene therapy institutions are developing therapies across the world at any given time.

Alliance for Regenerative Medicine

\$12B

Statistics show an expected increase in the cell and gene therapy market from \$8B in 2018 to over \$12B in 2025.

Genetic Engineering and Biotechnology News

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 help reduce contamination risk
- Fiberlite™ rotors offer increased chemical resistance
- On-board tracking improves documentation

Thermo Scientific™ Heracell™ Vios™ CR CO₂ Incubator — CTS™ Series

- Stackable incubator with either 165 L or 255 L capacity
- Active air circulation from in-chamber fans provide homogeneous conditions for improved cell viability
- Active Particle Control System with 3rd party certified ISO Class 5 and GMP grade A/B cleanroom compatibility, including HEPA filtration
- Brushed stainless steel exterior, electropolished interior, 180° C sterilization cycle and IP54 compliant
- 4-20mA data output for interfacing with external data collection systems

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

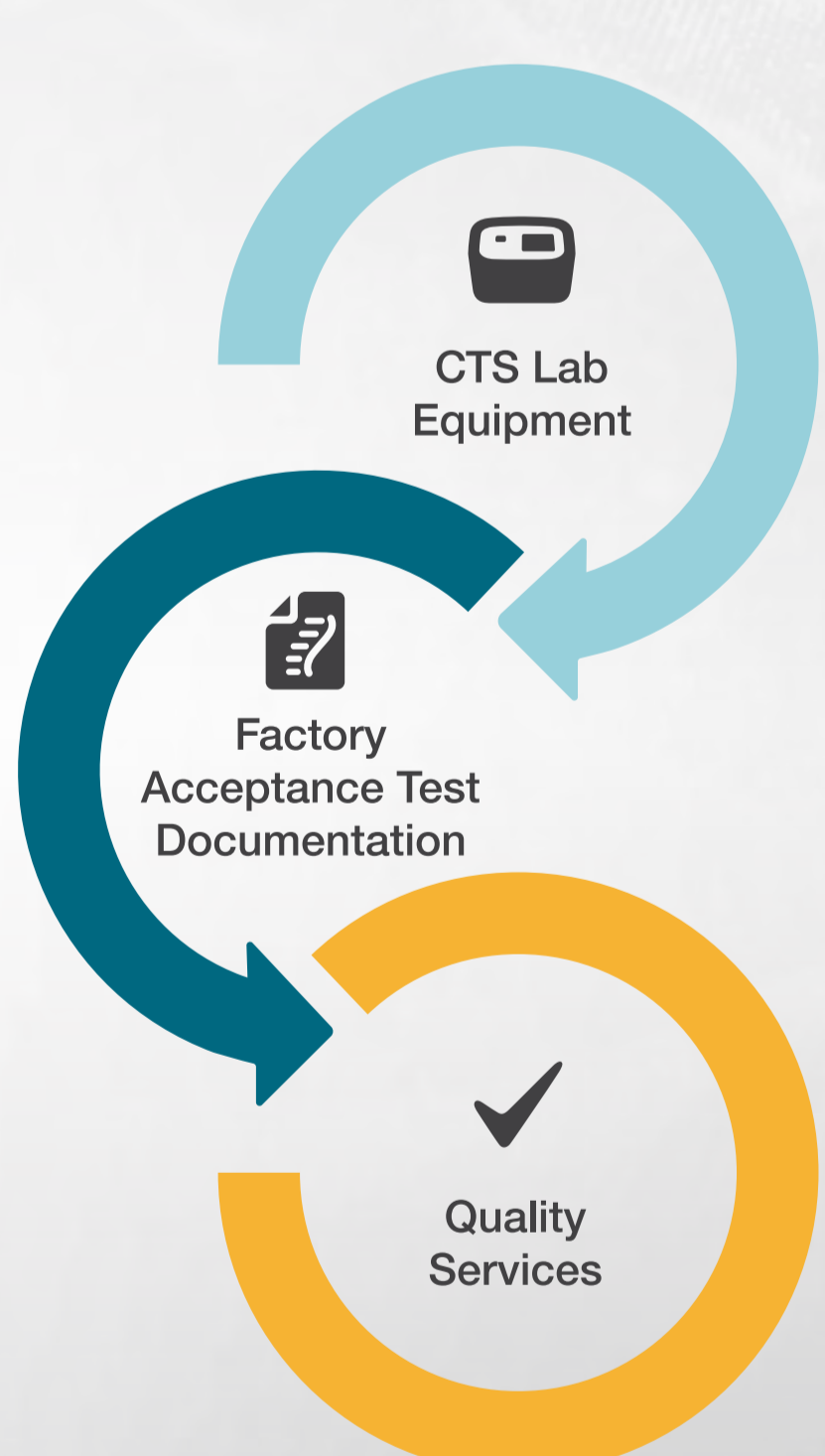
- Largest stackable chamber option expands capacity
- Active air circulation from in-chamber fans provide homogeneous conditions for improved cell viability
- HEPA filtration and a separate water reservoir help reduce contamination risk
- Electropolished interior and proven 12-log sterilization improve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

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

- Available in three capacities: 17L, 34L, and 48L
- 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
- Integrated touchscreen UI logs usage and events and features a USB port for easy export of data (.pdf, .csv, and .run files). PDF file export supports 21 CFR part 11 requirements



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 high-quality materials, factory acceptance certification, and on-site compliance support.

We can help you 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 more easily 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 mapping

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.

* Industry-exclusive, no-charge requalification. For terms and conditions, click [here](#).