

Protecting the science that shapes our future

Where care meets precision, and innovation never stops

Every day, scientists around the world store irreplaceable samples, the building blocks of future discoveries, inside Thermo Scientific™ ultra-low temperature (ULT) freezers. We understand that what is inside matters. Because behind every vial lies years of dedication, countless experiments, and the potential to change lives.

At Thermo Fisher Scientific, that purpose drives everything we do. From the design floor to final testing, our goal is to safeguard your work with the most reliable cold storage solutions possible.

Driven by continuous improvement

As research evolves and global demands increase, so does our commitment to improve.

At our manufacturing facilities across the globe, innovation meets precision to build the next generation of ultra low temperature storage.

We have introduced automation into critical processes such as brazing, foaming, and leak detection to enhance consistency, reproducibility, and throughput. Every freezer then undergoes extended reliability testing and comprehensive end-of-line verification to help ensure it meets the highest standards of quality.

And because quality is not just a process but a mindset, every team member on our line has the authority to stop production if something is not right. Protecting your research matters more than meeting a deadline.

Reliability widely used over time

We have implemented an enhanced long term reliability testing protocol across our entire ULT portfolio, with more than 9,000 hours of continuous field and laboratory testing to simulate real world conditions. This enables performance you can trust for years to come.

Each freezer goes through a 20-point reliability test that includes more than 16 probe temperature and performance monitoring of over 16 locations and a 100 percent end-of-line inspection before shipment.

Every unit ships with a full test record and certificate of calibration, giving you confidence in its performance from day one.

The result? Confidence in every degree

This ongoing pursuit of improvement has led to a very reliable platform, the Thermo Scientific™ TSX™ Series, which includes the high performance TSX™ Universal and the standard TSX™ Core models.

Each freezer helps deliver exceptional temperature uniformity and energy efficiency, backed by ENERGY STAR® 2.0 and ACT® 2.0 certifications. With an industry leading 12 year compressor parts warranty and 5 year parts and labor warranty, you can focus on your work knowing your samples are protected.

When you open a Thermo Scientific freezer, you are not just seeing equipment. You are seeing our promise to protect the discoveries that shape our future.

Widely used performance at a glance



**20 point
reliability test**

Includes temperature and performance monitoring of over 16 locations and end-of-line inspection



**9,000 hours
of continuous
reliability testing**

Simulates both field and laboratory environments



**12 years compressor
parts coverage and
5 years parts and
labor**

Industry leading warranty providing peace of mind



Learn more at thermofisher.com/ultfreezers

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