

A photograph of a person sitting on a large, jagged ice block in a cave of icebergs. The cave is formed by a thick, translucent blue ice ceiling with intricate patterns. The floor is covered with many smaller ice blocks of various sizes. The person is silhouetted against the bright light coming from the cave's opening. The overall scene is a surreal, cold, and natural environment.

Cold storage

# Sustainable cold storage

Protect the planet while you protect  
your samples

# World-class green cold storage

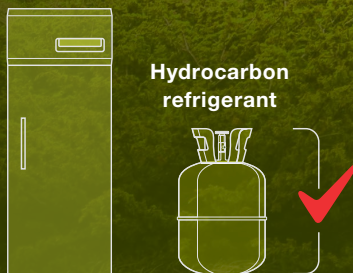
Not all laboratories have the same needs for storage capacity and temperature. It is our priority to provide sustainable, high-capacity, energy-saving options across the entire cold storage spectrum. We were the first in the marketplace to offer both ENERGY STAR™-certified ultra-low temperature (ULT) freezers and ACT™-labeled refrigerators and freezers. This unrelenting focus on going green is why we lead the industry—by a significant margin\*—in the number of ACT-labeled and ENERGY STAR–certified products that use natural refrigerants.

## Quick facts about our cold storage portfolio:

- We have **hundreds of energy-saving models** of varying sizes and temperature ranges to help labs reduce operational costs and environmental impact
- We have the largest catalog of ENERGY STAR–certified ULT freezer solutions on the market, which provide substantial **energy savings** compared to previous generations
- We implemented the **ACT label on more than 470 products** (and counting), so our customers know the environmental impact of the equipment they purchase
- We use natural refrigerants and insulation with **extremely low Global Warming Potential (GWP) and Ozone Depleting Potential (ODP) levels**, far lower than current regulatory requirements

\* [actdatabase.mygreenlab.org/Act](http://actdatabase.mygreenlab.org/Act) (ACT Database).

Our refrigerants have a low Global Warming Potential (GWP <10)



Our refrigerators and freezers

Other common refrigerants (GWP >500)



Other suppliers' refrigerators and freezers

## Leading in sustainability with eco-friendly certifications

We strive to minimize the environmental impact of our products, but we don't stop there. We partnered with the US Environmental Protection Agency (EPA) to help develop the ENERGY STAR standards for laboratory cold storage, and we are currently on a committee working to establish ecodesign energy standards for scientific and healthcare cold storage for the European Union. We want to help ensure that all lab equipment, not just ours, is energy-efficient and Earth-friendly.

### Quick facts about our sustainability efforts:

- We are a signatory to the **UN Global Compact**
- We are dedicated to transparency, responding annually to the **CDP (Carbon Disclosure Project) for more than 12 years**
- In addition to cold storage, we have **60 eco-friendly product categories** to help make labs safer and healthier

## Sustainable manufacturing across Thermo Fisher Scientific for your supply chain

Energy-efficient, low-GWP products go a long way toward our environmental stewardship objectives—but the products are only part of the story. We keep the environment in mind throughout the process, from ideation and manufacturing to shipping, product use, and product end-of-life.

Across the Thermo Fisher Scientific organization, Our 13 zero-waste manufacturing facilities use a combination of renewable energy, locally sourced components, nonhazardous materials, cutting-edge processes, and state-of-the-art packaging to keep over 90% of our waste out of landfills, while cutting costs and greatly reducing our carbon footprint.

### Quick facts about our manufacturing processes across Thermo Fisher Scientific:

- Our lab freezers and refrigerators are manufactured with **60–70% recycled steel**
- We use locally sourced and **100%-by-weight recycled corrugate packaging**
- We have **green recycling programs** for retired cold storage
- Renewable sources accounted for **22% of electricity** used in 2021
- We have committed to **net-zero emissions by 2050**

“At Thermo Fisher, everything we do is driven by our Mission to enable our customers to make the world healthier, cleaner and safer”

—Marc Casper, CEO  
Thermo Fisher Scientific

## We're committed to sustainability

Our customers share our passion for protecting the planet. We partner with the scientists using our refrigerators and freezers worldwide to help implement sustainable practices and procedures while minimizing their environmental footprints. We want to build a scientific community that uses high-performance, eco-friendly equipment in a responsible way to help ensure the longevity and well-being of our planet.

### Quick facts about our environmental footprint:

- Thermo Fisher Scientific eco-friendly cold storage equipment is **used in more than 140 countries**
- We sponsor **sustainability societies and programs worldwide and have committed to a net-zero value chain by 2050**
- **Worldwide support staff are available globally** to provide customers rapid, knowledgeable guidance and assistance
- There are **regional energy rebates**; check with your local utility to save

 Learn more at [thermofisher.com/sustainability](https://thermofisher.com/sustainability)

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