

# Stop compromising on your cold storage

Did you know that an ultra-low temperature (ULT) freezer can use as much as 14,000 kwh of energy per year? That's as much energy as a standard family home uses annually!

Proper sample storage is critical in the lab environment, but it can also be highly energy-intensive. With Thermo Scientific™ ENERGY STAR®-certified ULT Freezers, you get performance, reliability and efficiency, so you can go green and save green, all while keeping your samples safe.

## Our best-in-class portfolio features:



### Dynamic Temperature Control

Variable-speed compressor technology (V-drive) enables optimal cooling conditions at all times, seamlessly adjusting to user patterns, external and internal conditions, and sample loading and removal through activity monitoring and sensing capabilities to help protect your sample temperature and save energy.



### Climate-Friendly Coolants

Global warming-causing coolants are being phased out of all Thermo Scientific ULT freezers in favor of environmentally-friendly options compliant with the U.S. Environmental Protection Agency's New Alternative Policy (SNAP) program, enforced by states including California, and compliant with European F-gas and other global policies.



### Low Energy Consumption

Thermo Scientific TSX ULT Freezers use up to 70% less energy than older conventional units, saving as much as 6 tons of CO<sub>2</sub> – the same amount generated by driving nearly 15,000 miles in an average passenger vehicle – that could take you back and forth from New York to L.A. about five and a half times.



### Whisper Quiet Operation

Up to 20 times quieter than competing models, our products operate at as low as 45.5dB for convenient storage within the lab environment without disruption or distraction.



### Reduced Heat Emissions

Research shows that more than 60% of a lab's total energy consumption can be attributed to heating, ventilation and air conditioning (HVAC) processes. Our models reject less heat output and particulates, creating a more comfortable working environment and are safe to use in clean-room environments, mitigating the burden on (and costs of) your HVAC system.



### Zero-Waste Manufacturing

Many Thermo Scientific cold storage products are produced at its zero-waste certified manufacturing sites, which divert at least 90% of their waste from landfills into recycling and other reprocessing streams.

To browse our complete cold storage portfolio or contact a Thermo Fisher Scientific professional\* who can help find the right product for you, visit [thermofisher.com/cold](https://thermofisher.com/cold).

**ThermoFisher**  
SCIENTIFIC