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Thermo Fisher adds new ultra-low temperature chest freezer to green portfolio

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Thermo Scientific TDE Series -80Â°C Chest Freezers, part of a larger green portfolio, offer rapid temperature recovery in as little as one minute



Thermo Fisher Scientific has announced the addition of a new freezer to its ultra-low temperature (ULT) green portfolio, the Thermo Scientific TDE Series -80°C Chest Freezer. With increasing reliance on temperature-sensitive materials and therapeutics, laboratories require equally sensitive and highly consistent cold storage equipment. The freezer uses eco-friendly refrigerants and improved temperature regulation efficiency to offer approximately 25% reduction in energy usage for most size and voltages over the previous design.

Building off Thermo Fisher's 80 years of experience developing cold storage solutions, the Thermo Scientific TDE Series -80°C Chest freezers, powered by H-drive hydrocarbon systems, deliver the reliability and enhanced performance required for vital research without compromising sustainability goals.

With rapid temperature recovery after the door opens and tight peak variation, the TDE Series Chest Freezer is designed for both frequent entry and long-term storage applications. The use of natural refrigerants and insulation with extremely low Global Warming Potential (GWP) and Ozone Depleting Potential (ODP) levels far exceeds current regulatory requirements and ensures laboratory compliance with US EPA SNAP & EU F-gas regulations.