

MODEL ULT25NEU USE CASE

Truly portable, ultra-low temperature storage
for biological specimens



The ULT25NEU is a small, lightweight freezer that is arguably the only truly portable ultra-low temperature (ULT) device in the world. Its state-of-the-art Stirling engine technology equips the freezer perfectly for on-site storage, protection and cold chain distribution of vaccines, biological samples and advanced therapies. With a setpoint temperature range of -20°C to -86°C and an ambient heat tolerance of $+40^{\circ}\text{C}$, this flexible ULT freezer has become a best-fit solution for a variety of clinical scenarios.

Uniquely portable and reliable ultra-low ULT25NEU storage benefits scientists, clinicians and patients alike

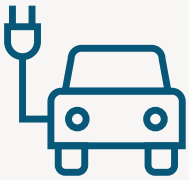



- Safely preserve and deliver biologic drugs and vaccines at point of patient care, anywhere in the world.
- Low power use in any form – battery, 12V vehicle power or solar panels.
- Collect temperature-sensitive samples at remote trials or field locations.

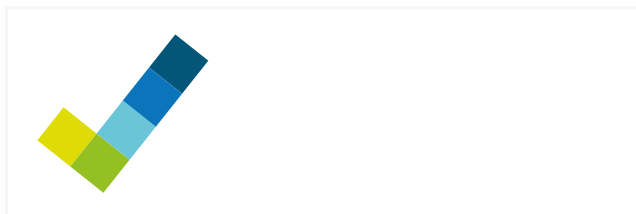


MODERN ADVANTAGES

- Pluggable anywhere with built-in capability to operate from 12V DC and 100-240VAC, 50/60Hz AC mains.
- Widest storage temperature range on the market (-20°C to -86°C).
- Small footprint with surprisingly large capacity.
- Withstands high ambient temperatures ($+40^{\circ}\text{C}$).
- 100% natural refrigerants with zero Ozone Depletion Potential.
- Limited warming when operated with lid open.
- Easy operation and handling for inexperienced ULT freezer users.
- Designed for a new era of medicine storage.
- Optional SenseAnywhere system can monitor freezer performance remotely in the cloud.
- The only portable ULT freezer that can ship via air freight.

FUNCTIONAL USE CASES

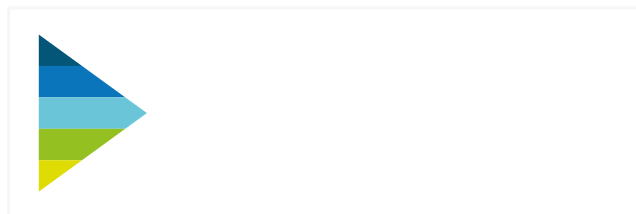
			
IN VEHICLE	FIELD USE	CLINICAL USE	VACCINES
<ul style="list-style-type: none">• Powered directly by a vehicle's power supply with available 12V DC power cable.• Maintains constant storage temperature when powered.• Allows for more remote sample transport with stable temperature protection.	<ul style="list-style-type: none">• Solar panels, battery backup or generators will power freezers.• Only 118W energy consumption in continuous brownout tolerant operation.• Simple user interface allows for operation in full sun or at night with clear visibility.	<ul style="list-style-type: none">• Designed for benchtop, on-site specimen storage.• Eliminates the need for dry ice replenishment.• High storage capacity.• Easy vial access, multiple times a day without losing temperature protection.	<ul style="list-style-type: none">• Custom rack system to maximize Pfizer-BioNTech COVID-19 vaccine storage.• 1 rack per freezer, 1,400 vials = 8,400 doses per freezer.• Currently used worldwide in pharmacies, clinics and hospitals, for COVID-19 vaccine administration.



SYSTEM MAINTENANCE

The ULT25NEU is a virtually maintenance-free freezer system. However, to keep it operating in tip-top condition, follow these guidelines:

- Once a month, clean the air filter on the front of the freezer.
- Regularly check lid gasket for moisture and ice. Clean with a soft cloth and remove ice with the supplied ice scraper.
- Check racking and inner freezer lining for damage every three months.



SYSTEM TRAINING

ULT25NEU setup and training videos are available on Stirling Ultracold's [YouTube channel](#). These videos guide users through freezer basics including: rack installation, temperature programming, sample-to-rack vial transfers, and step-by-step instructions for installing a secondary temperature monitoring device.

Dependent on geographical location and epidemiological situation, face-to-face training may also be possible with a regional sales director. To learn more information about Stirling Ultracold, please visit: stirlingultracold.com