



## COLD CHAIN TRANSPORTATION TESTING SOLUTIONS



Freeze/Thaw -  
Thermal Cycling



Walk-In Temperature/  
Humidity Testing



Stability Testing

Weiss Technik provides cold chain testing solutions for the transport of vaccines and other temperature sensitive pharmaceutical products. Our test chambers are used to simulate temperatures that products and packaging may encounter during distribution.

Cold chain testing refers to a temperature-controlled supply chain for the storage and distribution of products where specific temperatures are required to be maintained. The temperatures required are specific to the product. However, the controlled temperature can be frozen (typically  $-5^{\circ}\text{C}$  to  $-40^{\circ}\text{C}$ ), refrigerated ( $2-8^{\circ}\text{C}$ ) or warmer conditions.



# Weiss Technik can help you with cold chain testing standards that include:

- ISTA 7D Temperature test for transport packaging
- ISTA 7E Thermal transport packaging used in parcel delivery system shipment
- ASTM D3103 Thermal insulation performance of distribution packages
- ASTM D4169 Standard practice for performance testing of shipping containers and systems
- ASTM D4332 Climatic conditioning

## Endurance



The Endurance series offers superior performance with many popular sizes available to meet your testing requirements. With Temperature range of -70°C to +180°C and humidity up to 98% Endurance provides reliability for your testing.

*See our Endurance Brochure for additional information and technical data.*

## Walk-In Series



The WW and WP Series of walk-in test chambers offers many pre-engineered and custom solutions that require a larger chamber. Performance features including extended temperature ranges, clear access doors, high floor loading capacity, and more. Temperature range of -70°C to +180°C and humidity of up to 98% available.

*See our Walk-In Series Brochure for additional information and technical data.*

## PharmaEvent



Stability testing solutions with PharmaEvent is designed specifically to meet the requirements of testing in the pharmaceutical industry. With many sizes and features available - PharmaEvent stability test chambers offer unmatched performance and reliability. Temperature range of +2°C to +70°C and humidity of up to 90% available.

*See our PharmaEvent Brochure for additional information and technical data.*

## Connectivity - Integration - Access - From Anywhere in the World.



Webseason® & Simpati® offer programming, control and monitoring from anywhere around the globe and user-friendly operation that can control up to 99 chambers - this allows your testing to be at its best.

WEB Season®

SIM PATI

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