



WESTPAK
TESTING. OWNERSHIP. INTEGRITY.

WESTPAK

Cold Chain Testing Services

State-of-the-Art Testing Services Since 1986

What is Cold Chain Testing?

A “cold chain” is a temperature-controlled supply chain that ensures products remain within a specified temperature range to maintain quality and extend shelf life. Common temperature ranges include:

- Cryogenic (-5°C to -80°C)
- Refrigerated (+2°C to +8°C)
- Controlled Room Temperature (+20°C to +25°C)

Cold chain systems, active or passive, rely on insulation and refrigerants within protective packaging to maintain these ranges.

WESTPAK’s Testing Expertise

As an ISO 17025-accredited lab, WESTPAK employs calibrated equipment to simulate distribution environments and assess thermal and mechanical performance of insulated package systems. WESTPAK’s experience ensures packages meet both thermal and mechanical demands, that they may see in the distribution environment.

Cold Chain Testing Offered at WESTPAK

- Environmental Tests
- Altitude Tests
- Mechanical Tests
- Customized Tests

Testing Standards

- ASTM D3103
- ASTM D7386
- ASTM D4169
- ASTM F2825
- ASTM D4332
- ISTA 7D
- ASTM D6653
- ISTA 7E



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Cold Chain Testing Services



Environmental Testing
Simulates temperature and humidity conditions to assess product performance.



Altitude Testing
Examines how reduced air pressure at elevation affects package integrity, simulating conditions during transportation.



Mechanical Testing
Evaluates the impact of vibration, shock, and compression on package functionality.



Customized Testing
WESTPAK collaborates with clients to design protocols tailored to industry, product, and package-specific needs.

Why Choose WESTPAK for Cold Chain Testing?

When it comes to ensuring the integrity of your cold chain solutions, WESTPAK stands out as a trusted partner. Here's why leading companies in the biologics, pharmaceutical, biopharmaceutical, and food industries rely on us



Proven Expertise - With decades of experience in environmental and dynamic testing, WESTPAK has a deep understanding of the challenges associated with cold chain logistics and package performance.



Accredited Excellence - As an ISO 17025 accredited lab, we meet the highest standards for quality and accuracy in testing.



Cutting-Edge Technology - We utilize state-of-the-art environmental chambers, calibrated thermocouples, and precise data loggers to simulate real-world conditions and measure your package's response.



Tailored Solutions - Our team works closely with you to design customized test protocols that align with your specific product, package, and regulatory requirements.



Comprehensive Approach - From thermal performance to mechanical integrity, our testing ensures your cold chain package is both functional and durable throughout its distribution journey.



Commitment to Quality - We deliver timely, detailed, and actionable test reports, enabling you to make informed decisions and maintain compliance with industry standards.

At WESTPAK, we are dedicated to safeguarding the quality of your products and enhancing the reliability of your cold chain systems. Partner with us to ensure that your packaging performs as intended every time.