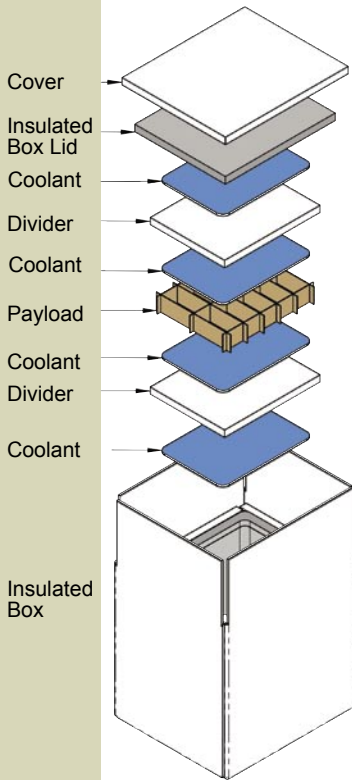


AcuTemp® Qualified Shipping Boxes

The AcuTemp Advantage in Cold Chain Shipping



Easy Pack Out Configuration

When you need Peace of Mind™ that your temperature sensitive products will reach their destination at The Right Temperature®, reach for an AcuTemp shipper. Each box is designed and tested to hold a specific temperature range and hold time, all engineered around the superior thermal attributes of ThermoCor® high performance vacuum insulation, which has an R-value of 45 per inch of thickness! Plus AcuTemp's unique manufacturing process provides a seamless construction of the vacuum insulated cargo area to reduce edge effect losses common in a panelized box. Each AcuTemp shipper is also designed with pack out simplicity in mind to save time and help eliminate pack out errors. For a cold chain solution you can trust, take advantage of AcuTemp shippers.



Consider Total Cost of Ownership (TCO)

- **Reduced box size and weight**
 - lower incoming freight and warehouse storage requirements prior to pack out
- **High insulation efficiency requires fewer coolants**
 - reduced coolant costs and their associated storage and handling
- **Time savings**
 - easier pack out configurations and less chance of pack out error
- **Temperature holding power**
 - reduced risk of product loss from temperature excursions; greater flexibility in choosing lower cost shipping methods
- **Reduced shipping costs**
 - smaller, lighter box for the most favorable shipping rates
- **Environmental responsibility**
 - all components recyclable
- **Peace of Mind**
 - Assurance of maintained temperature and reduced risk of non-compliance with regulatory agencies

Specifications

AcuTemp Part No.	Qualified to ISTA7D	Performance	Pack Out	Outer Dimensions LxWxH Inches (mm)	Inside Dimensions LxWxH Inches (mm)	Payload Dimensions LxWxH inches (mm)	Payload Volume cubic inches (liters)	Shipper Weight lbs (kg)	Coolant Weight lbs (kg)
101282	2°C - 8°C 48 hours	48 hours	Seasonal	10.0 x 8.5 x 10.8 (254 x 216 x 273)	7.3 x 5.8 x 7.9 (186 x 148 x 200)	7.0 x 5.8 x 1.3 (178 x 146 x 32)	53 (.09)	7 (3.2)	4 (1.8)
600831	2°C - 30°C 72 hours	72 hours	Universal	15.2 x 11.2 x 9.2 (385 x 285 x 235)	11.2 x 7.3 x 5.9 (285 x 185 x 150)	11.2 x 7.3 x 5.5 (285 x 185 x 140)	449 (7.4)	5.4 (2.4)	4 (1.8)
600859	2°C - 8°C 48 hours	60 hours	Seasonal	15.6 x 11.8 x 12.6 (396 x 299 x 320)	11.4 x 7.6 x 9.3 (289 x 192 x 235)	11.4 x 7.6 x 1.4 (290 x 193 x 35)	120 (2.0)	8.2 (3.7)	7.5 (3.4)
600865	2°C - 8°C 48 hours	60 hours	Seasonal	18.9 x 16.2 x 16.1 (481 x 411 x 407)	14.8 x 12.0 x 12.8 (375 x 304 x 324)	14.8 x 12.0 x 4.2 (376 x 305 x 107)	746 (12.2)	17.4 (7.9)	16 (7.3)
600853	2°C - 8°C 48 hours	60 hours	Seasonal	24.5 x 15.6 x 17.9 (622 x 397 x 454)	20.3 x 11.5 x 14.4 (515 x 291 x 365)	20.3 x 11.5 x 5.6 (516 x 291 x 143)	1310 (21.5)	24 (10.9)	18 (8.2)

Testing and Qualification Services

Testing Expertise That Guarantees Packaging Peace of Mind™

As experts in providing temperature sensitive shipping products, AcuTemp Thermal Systems has taken a leadership role in testing and qualifying package performance. From maintaining life-essential biomedical payloads at the right temperature to keeping food and drugs within FDA safety requirements, AcuTemp understands the need for accurate thermal packaging performance.

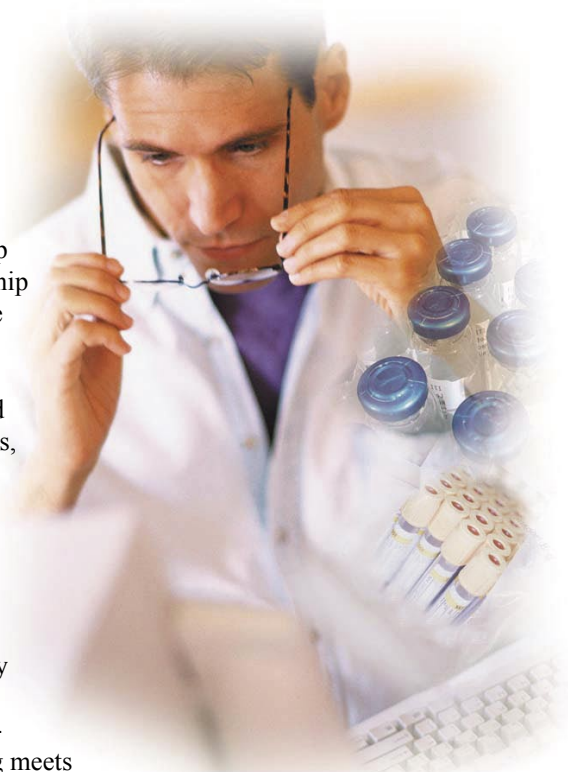
As an International Safe Transit Association (ISTA) certified testing facility, our customers can rely on test equipment accuracy, rigid test procedures and strictly defined protocols. AcuTemp ensures all packaging meets the thermal requirements that customers' products demand.

AcuTemp's experienced technicians utilize state-of-the-art environmental test chambers and National Institute of Standards and Technology (NIST) traceable laboratory equipment, data acquisition systems and analysis software. AcuTemp can test and validate existing packaging or develop new packaging products to meet specific needs.

A Full Range of Services

AcuTemp provides a full range of engineering, testing and qualification services, including:

- Assessment of packaging requirements
- Testing and validation of new or existing packaging to ISTA or customer protocols
- Design and engineering of new packaging to specified thermal requirements
- Full qualification reporting
- Thermal feasibility studies utilizing thermal profiling and simulations
- Temperature range testing from -70°C to +170°C
- Relative humidity validation up to 95%
- Vibration and shock transit testing



ISTA Certification

AcuTemp's testing laboratory is ISTA certified, demonstrating the company's commitment to providing high quality, high performance packaging solutions for the temperature sensitive shipping market. By testing to ISTA protocols, AcuTemp's customers are assured their packaging meets necessary safety requirements.



AcuTemp is a member of ISTA



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