Test Start Date: August 20, 2005
Container: Kodiak™ ATA D36—Dry Ice
Test Method:

The payload for was empty to indicate a worse-case scenario.

The Kodiak™ ATA D36 *payload area* was preconditioned with 5 lbs of dry ice to simulate a pre-conditioned payload. A box was loaded with 20 lbs of dry ice and placed in the payload area.

This test was run in the Company lab with the Kodiak™ ATA D36 on a digital platform scale to read and monitor the container weight as the dry ice sublimated.

The data was recorded using Virtual Bench by National Instruments (NI). The measurement devices were T type thermocouples attached to an NI TC-2190 (shielded rack-mount adapter for 14 thermocouples). This was attached to an NI 4350 (High Resolution Voltage and Temperature Data Logger). This was attached to the PC which ran the Virtual Bench software.

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Results:

1. The load sensor measured a minimum temperature of –56°C at 53.74 hours and a maximum (after conditioning) of 0°C at 125 hours.

2. The ambient environment was set at constant 23°C to indicate an average environment.

3. The load was successfully maintained below –22°C for 118.75 hours.

Distributed by:

Active CC Boxes, LLC — Test Results

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Kodiak™ ATA D36 120 Hour Profile Qualification Results

Revolutionizing the Cold Chain

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KODIAK D36 120-HOUR TEST
No Payload / 20 lbs Dry-Ice