

TEST CONDITIONS & RESULTS

Test Date:	9/25/2007
Unit Tested	L001000532 B020000103
Scope of Test	Kodiak Winter Profile with maximum and minimum payloads.
Test Profile	Kodiak 120 Hour Winter Profile
Payload Max	14.5 liters (29 500ml bottles) of water (31.92 lbs 14.5 kg)
Payload Min	2.73 liter bag of water (6 lb 2.8 kg) plus 1.32 lbs (2.9 kg) of Phase 5 PCM for cold stabilization (mfg recommendation).
Payload Precon.	7C
Container Preconditioning	
Lid	-20C Freezer
TRU	N/A
Base	Room Temp
Test Chamber	Thermotron S-16
Logging Device	NI Logger and Software
Sensor Placement	Multiple sensors used. Primary sensors for publishing were on payload and in ambient environment.
Results Minimum	The payload temperature remained within the limits of 2 - 8C for the duration. The minimum payload temperature after the first -10C spike was 3.493C. The minimum payload temperature after the 0C duration was 3.018C. The minimum payload temperature after the second -10C spike was 2.691C. Once the container cooled down after the initial loading, the maximum temperature was 5.488C
Results Maximum	The payload temperature remained within the 2 - 8C range for the 120 hour test. The coldest temperature after the first -10C event was 4.93C. The coldest after the 0C event was 4.145C. The coldest after the second -10C event was 4.178. The maximum temperature was 6.423C.

Distributed by:



Kodiak Thermal Technologies, Inc. — Test Results

333 N Sam Houston Pkwy E, Ste 400
Houston, TX 77060
PH: (888) 340-1110
FX: (713) 682-7699
www.GoKodiak.com
info@GoKodiak.com

Kodiak Thermal Technologies, Inc. — Test Results

ATA R36 Winter Profile Qualification Results



Revolutionizing the Cold Chain



Kodiak Thermal Technologies, Inc.

333 N Sam Houston Pkwy E, Ste 400

Houston, TX 77060

PH: (888) 340-1110

ATA R36 COMBINED 120 HOUR WINTER PROFILE

