

LifeBox50 Climate Control Unit Test Data: Blood & Saline.



Data Compiled by:

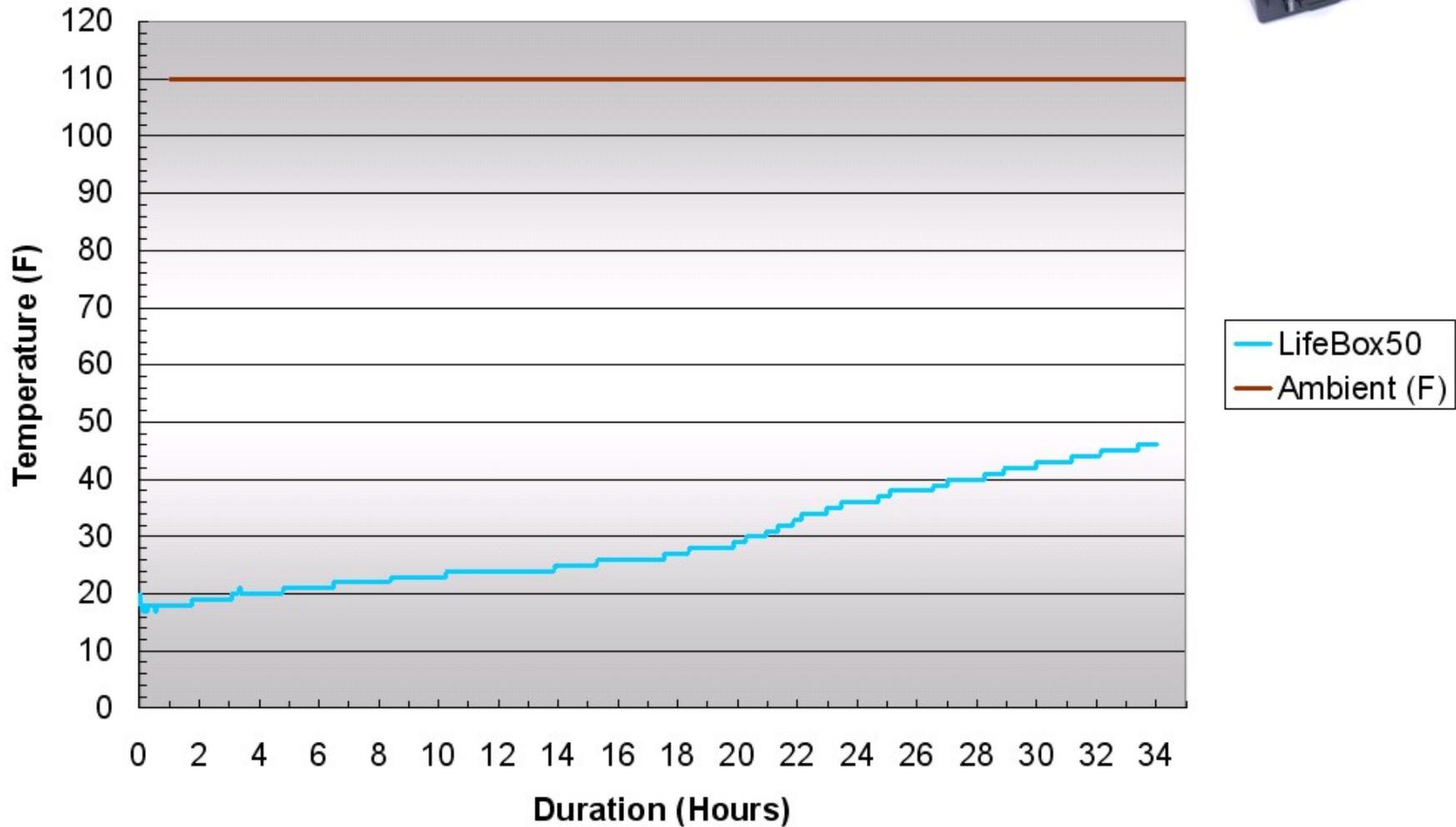
- Stork Herron Testing Laboratories, Inc.
5405 East Schaaf Road
Cleveland, OH 44131
Tel.: 216 525 8044
Web: <http://www.storksmt.com>
- Queensland Health Red Cross
100 Angus Smith Drive, Douglas Qld 4814.
Telephone: +61 7 4759 6111.
Web: <http://www.health.qld.gov.au>

Tests:

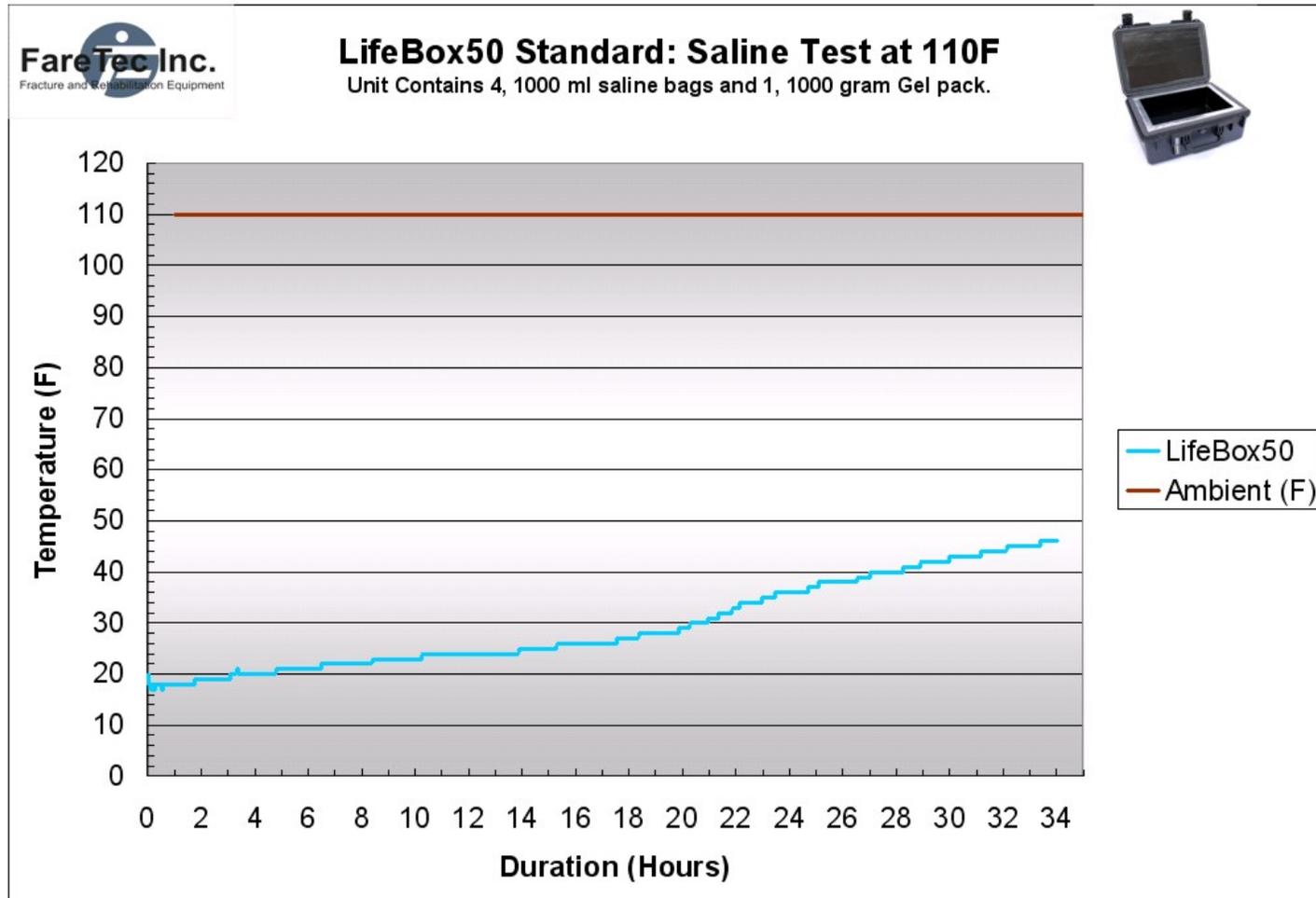
- 1.) Stork Herron Labs: Standard LifeBox50 with Saline (4 x 1000 ml) and Gel Pack.
- 2.) Stork Herron Labs: Small LifeBox50 with Saline (2 x 1000 ml) and Gel Pack.
- 3.) Australian Red Cross: Standard LifeBox50 with Blood (4 x 500 ml) and Ice Packs
- 4.) Australian Red Cross: Small LifeBox50 with Blood (2 and Ice Packs

LifeBox50 Standard: Saline Test at 110F

Unit Contains 4, 1000 ml saline bags and 1, 1000 gram Gel pack.



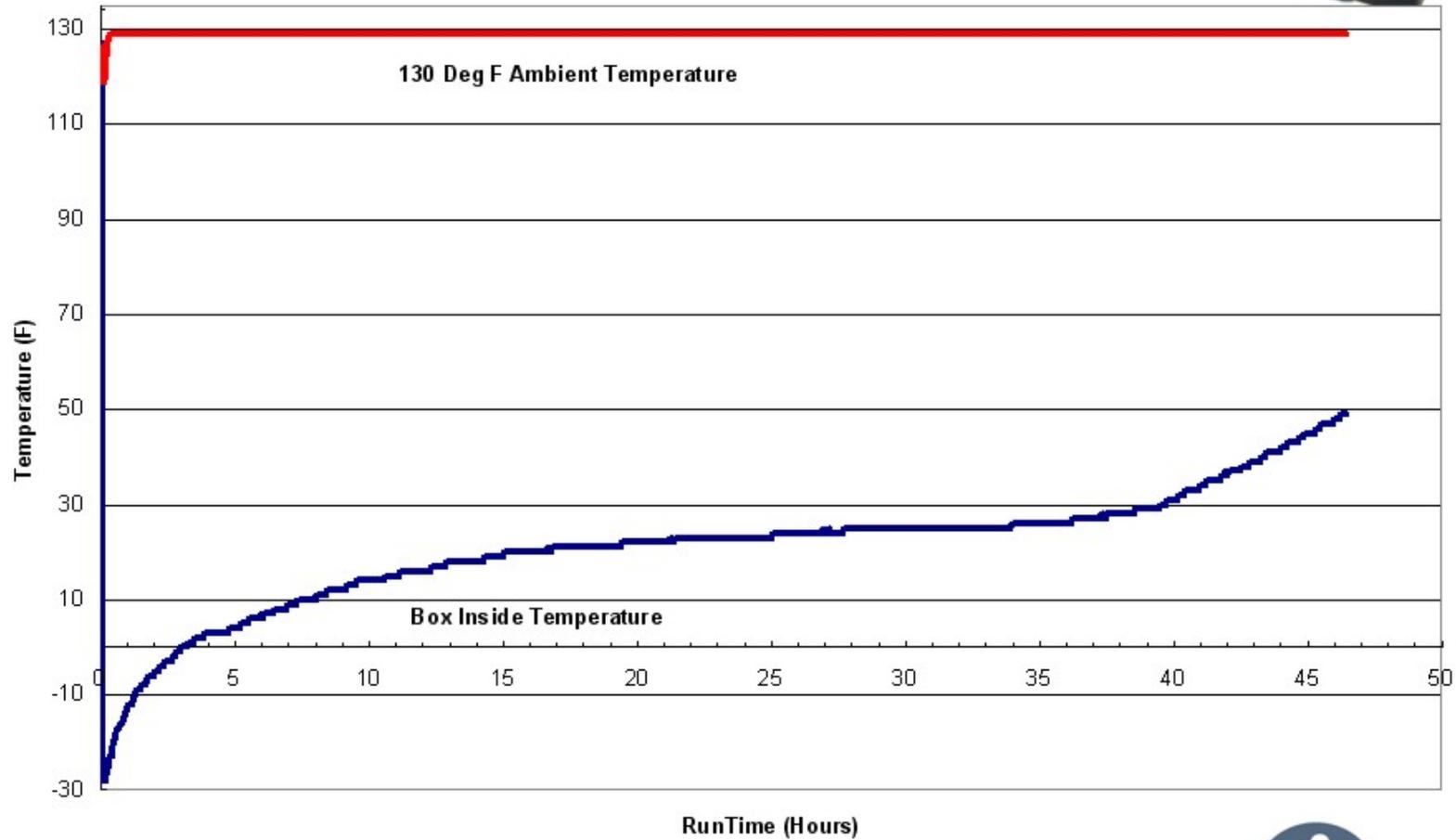
- This data shows the LifeBox50 staying within the acceptable cold therapy temperature zone for 35 hours at an ambient temperature of 110F (43C) with one Gel Pack.



Data Compiled by:
Storck Herron Testing Labs
5405 E. Schaaf Rd.
Independence OH 44131
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September 2010
FareTec Inc.
440 350 9510

LifeBox Performance Over Time at 130F Ambient
Test done in Standard Box with 2 Frozen 1000 gram Ice Packs

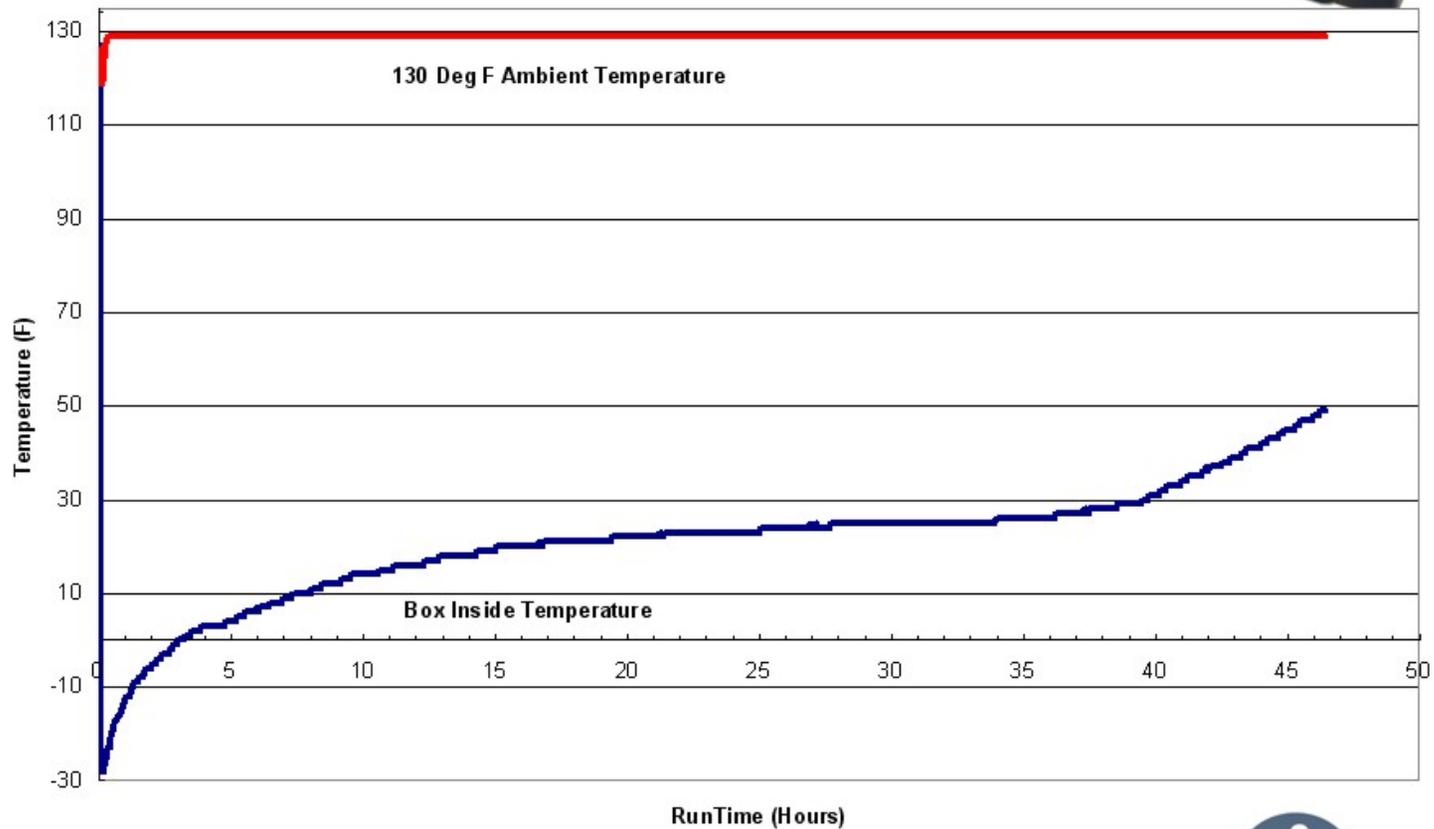


Data Compiled by Stork Herron Testing Facility
Cleveland OHIO



- This graph shows the LifeBox50 within the acceptable range for 45 hours at 130F (54 C) using 2 gel packs

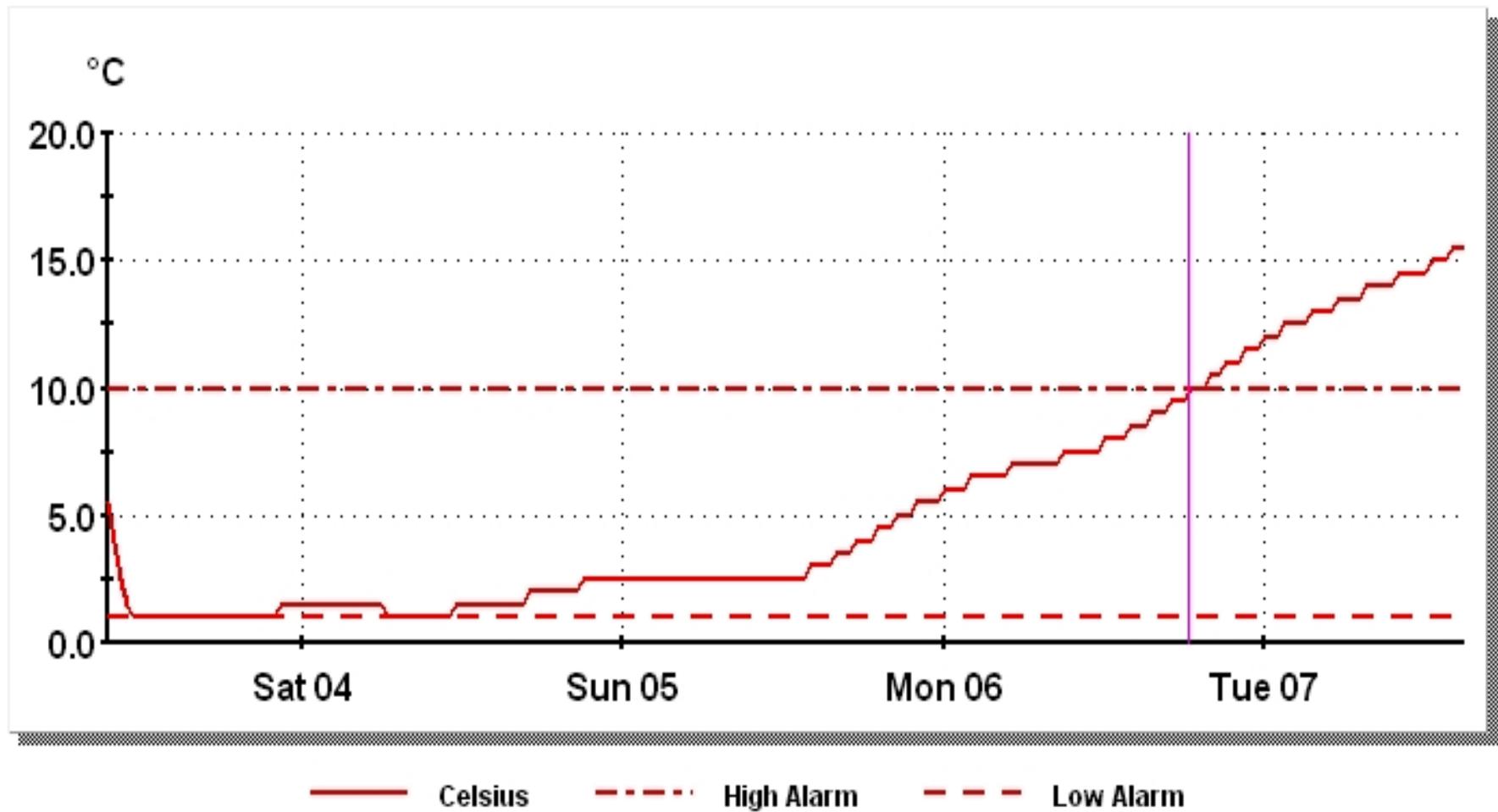
LifeBox Performance Over Time at 130F Ambient
Test done in Standard Box with 2 Frozen 1000 gram Ice Packs



Data Compiled by Stork Herron Testing Facility
Cleveland OHIO

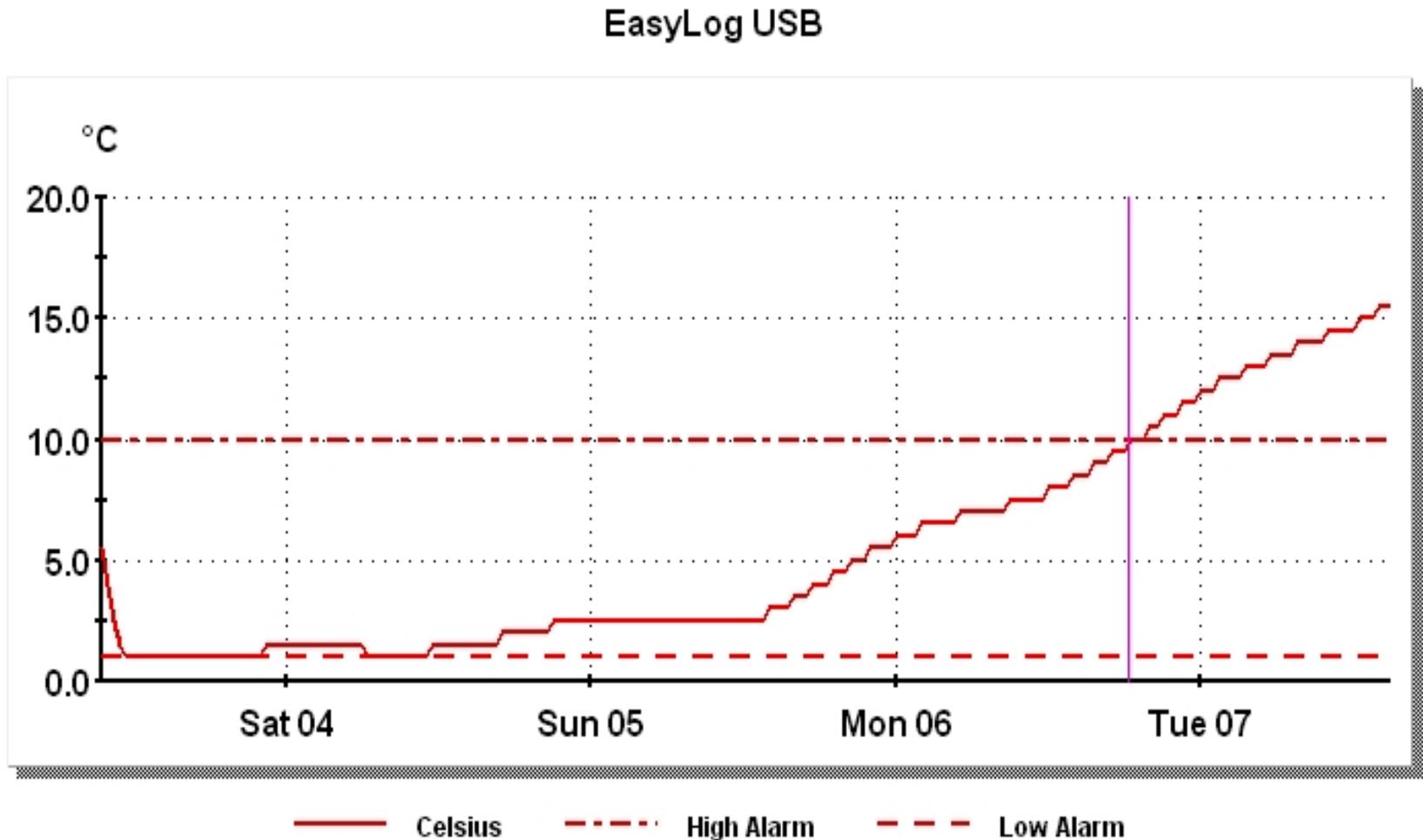
Red Cross Australia

EasyLog USB



06 December 2010 18:30:00 : 10.0°C

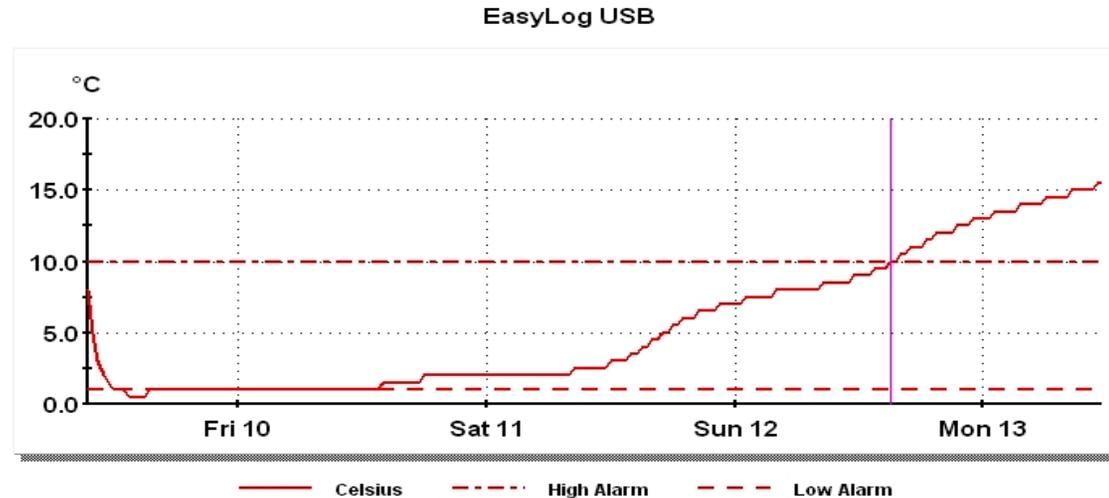
- This graph shows the temperature cycle of several hot days (50C to 25C). The blood was held at an acceptable temperature for 72 hours using multiple ice packs



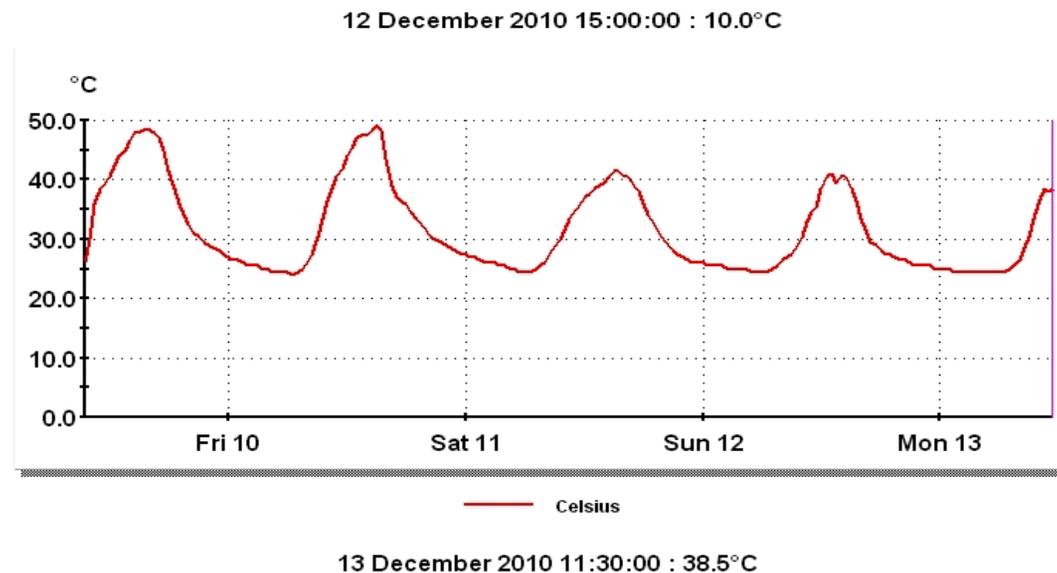
06 December 2010 18:30:00 : 10.0°C

Test results of Small Lifebox50 : Same conditions as previous test.
The appropriate temperature was held for nearly two days in 50C to 25C conditions.

LifeBox50
temperature



Ambient
temperature



Stork Herron Summary

- This data shows the LifeBox50 staying within the acceptable cold therapy temperature zone for 35 hours at an ambient temperature of 110F (43 C) with one Gel Pack.
- The second graph shows the LifeBox50 within the acceptable range for 45 hours at 130F (54 C) using 2 gel packs

Red Cross Australia Summary:

- Usage approved.

1. Standard LifeBox for longest periods of transport up to 72 hrs.

2. The minimum number of products to be packed = 4 units or RBC or equivalent (4oC ice pack = 1 unit RBC)

3. Packing configuration :

Bottom layer = 2x frozen Ice Bricks (-10 to -15oC) + 2x Cold Ice Bricks (2-8oC)

Cardboard with holes to separate blood products

Middle layer = 4x RBC (or equivalent) + data logger in leak proof plastic bag

Cardboard with holes to separate blood products

Top layer = 2x frozen Ice Bricks (-10 to -15oC) + 2x Cold Ice Bricks (2-8oC)

4. DO NOT open sealed LifeBox unless you intend to use the blood products; if opened, then contact originating laboratory for advice.

For Short Hauls (24hrs) the Small LifeBox can be used.