TREAT FEVER IN JUST 10 SECONDS

FAST, EFFECTIVE COOLING FOR INTENSIVE CARE UNITS

THE CRYOTHERMIC COOLING PACK COOLS NON-INVASIVELY VIA THE NECK’S CAROTID TRIANGLE REGION.

EVERY 3.5 MINUTES, THE ENTIRE BLOOD SUPPLY PASSES THROUGH THE CAROTID TRIANGLE REGION.

“Cryo is effective at fever reduction in patients with intermittent fever and saves on the need for definitive cooling techniques like Arctic Sun.”
Debra E. Roberts, MD, PhD
Director, NeuroMedical ICU, University of Rochester Medical Center

SIMPLE & FAST
Simply punch the pack’s inner pouch to activate its patented formula.

COST EFFECTIVE
The Cryo Cooling Element® is the most cost-effective method to treat fever in the ICU. Cryo can be used as adjunct to acetaminophen and may avoid expensive temperature management disposables.

SAFE & PROVEN
The Cryo Cooling Element® fits AHA Guidelines and has demonstrated patient cooling 1°C - 3°C in just 20 minutes.

Cryo has consistently lowered patient temperatures in over 20,000 uses without any reported side effects or complications.

APPLICATIONS
• Fever Control
• Avoid Fever Spikes as a Bridge to Imaging

Cool the Blood. Cool the Body.

THE BRIDGE TO TTM™

Wrap and C-Collar options available to hold the cooling pack in place.
“With just a few trial uses of Cryo Cooling, we saved $5400 in our ICU by avoiding the cost of Artic Sun. Cryo is an ideal solution for episodic fevers in our neuro ICU patients.”

Debra E. Roberts, MD, PhD Director, NeuroMedical ICU University of Rochester Medical Center

ICU & HOSPITAL ECONOMIC IMPACT OF FEVER

Fever is detrimental in the setting of acute neurologic insults. Approximately 70% of Neurologic Intensive Care patients develop fever, yet most only last 2-3 hours.

The increased length of stay due to fever equates to an estimate of $10,074 in additional ICU costs and $17,414 in additional hospital costs.  

*Reaven et al., 2008

The presence of fever in ICU patients increases:

- ICU LOS increased by 5.7 days
- Hospital LOS increased by 8.5 days

Increase in Length of Stay in Hospital by Days

NOT ALL COOLING PACKS ARE CREATED EQUAL.
THE CRYOTHERMIC COOLING PACK IS 15°C COLDER THAN STANDARD ICE PACKS!

Cryo Cooling Pack stored in cooler

58kJ of Energy/Heat Absorbed

Cryo Cooling Pack stored at room temp

42kJ of Energy/Heat Absorbed

Standard Ice Pack

10kJ absorbed

Energy (Heat) Absorption by Cooling Packs in kilojoules (kJ)

The average ambient temperature for these experiments was 20±1°C (68±2°F).

Proven to Cool
University Hospitals Study of the Cryo Cooling Pack to achieve a rapid reduction in cerebral cooling of healthy volunteer medicos.  

47% saw a temperature drop ranging from 0.9°C to 1.5°C

40% saw a temperature drop ranging from 1.4°C to 2.5°C

13% saw a temperature drop ranging from 2.6°C to 3.6°C

*Data evidence with one Cryothermic Cooling Pack placed on the Coronal Triangle Region, replaced every 20 minutes.

CRYOTHERMIC COOLING PACK

- 100% SAFE NO COMPLICATIONS REPORTED
- SIMPLE & EFFECTIVE
- NO SKIN IRRITATION
- PACK IS -5°C IN SECONDS
- 15°C COLDER VS STANDARD ICE PACKS
- 20-60 MINUTES OF BELOW 0°C

Cool the Blood. Cool the Body.

CRYOTHERMIC SYSTEMS, INC.

www.cryothermicsystems.com

1. American Heart Association 2015 Guidelines for Cardiopulmonary Resuscitation and Emergency Cardiovascular Care, Part B.

Proudly made in the USA 440-546-7120 info@cryothermicsystems.com

Cryo Products are FDA registered and have CE Mark registration with compliant Quality Management System and medical device tracking.