

THE BRIDGE TO TARGETED TEMPERATURE MANAGEMENT™
IN JUST 10 SECONDS
FAST, EFFECTIVE COOLING SOLUTION FOR FIRST RESPONDERS



THE CRYO COOLING ELEMENT COOLS NONINVASIVELY VIA THE CAROTID TRIANGLES.

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

PROVIDING THE BRIDGE TO TARGETED TEMPERATURE MANAGEMENT™ FROM EMS... TO EMERGENCY DEPARTMENT... TO CATH LAB & ICU.

SIMPLE & FAST

Simply break the pack's inner pouch to activate its patented formula.

COST-EFFECTIVE

The Cryo Cooling Element® is the most cost-effective method to initiate and continue cooling, whether prehospital use by EMS or in the ICU for fever control.

SAFE & PROVEN

The Cryo Cooling Element® fits 2015 AHA Guidelines and has demonstrated patient cooling equal to chilled saline.¹

AHA strongly recommends against the use of Chilled Saline due to observed side effects.²

THE BRIDGE TO TTM™

1. Noninvasive prehospital brain cooling of OHCA survivors, using the Excel Cryo Cooling Device Skulec, Roman et al. Resuscitation, Volume 96, 134.
2. American Heart Association 2015 Guidelines for Cardiopulmonary Resuscitation and Emergency Cardiovascular Care, Part 8.



C-Collar option shown, Cryothermic Wrap version also available

Evidence Supports Early Cooling as an Alternative to Saline for SCA

AMERICAN HEART ASSOCIATION GUIDELINES 2015



The Task Force recommends targeted temperature management for adults with out-of-hospital cardiac arrest with an initial shockable rhythm at a **constant temperature between 32°C and 36°C** for at least 24 hours. Similar suggestions are made for out-of-hospital cardiac arrest with a nonshockable rhythm and in-hospital cardiac arrest. The Task Force **recommends against prehospital cooling with rapid infusion of large volumes of cold intravenous fluid.**¹

ISSUES WITH CHILLED SALINE

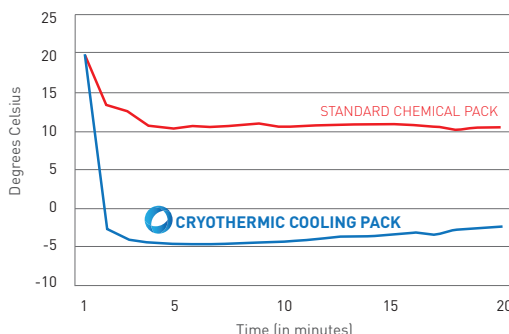
AHA & ILCOR STRONGLY RECOMMEND AGAINST COOLING WITH SALINE:²

Hard to maintain cooling consistency - patients re-warm.

High rate of re-arrest (26%) and pulmonary edema.³

Shivering is common side effect.

NOT ALL COOLING PACKS ARE CREATED EQUAL



THE CRYO COOLING ELEMENT® IS 15°C COLDER THAN STANDARD ICE PACKS

- Reaches -5.0°C in seconds
- Skin safe (proprietary fabric)
- 20-30 minutes below 0°C

CRYO COOLING ELEMENT

THE BRIDGE TO TTM™

- NO SKIN IRRITATION
- PACK IS -5°C IN SECOND
- SIMPLE & EFFECTIVE
- 20-30 MINUTES OF BELOW 0°C
- 15°C COLDER VS STANDARD PACKS
- FITS EMS WORKFLOW

1. American Heart Association 2015 Guidelines for Cardiopulmonary Resuscitation and Emergency Cardiovascular Care, Part 8.
 2. ILCOR Advisory Statement, 2015.
 3. Kim F, et al. "Effect of prehospital induction of mild hypothermia on survival and neurological status among adults with cardiac arrest: a randomized clinical trial" JAMA 2013; DOI: 10.1001/jama.2013.282173.



440-546-7120
www.cryothermicsystems.com