

**PolarSkin:** *The Latest Cooling Technology to*

# BEAT *the* HEAT

 Facilitates **conductive, convective,** and **evaporative cooling**

 **Unique fiber construction** allows for liquid **absorptive capacity 350% greater** than basis weight

 Soaked in **ArcticAqua™** for **faster** and **longer cooling** without drying out

 **Adheres to** current **National Athletic Trainers' Association** and U.S. Army **protocols** for heat illness treatment

 Protracted **direct cooling** of high blood flow regions



Manufactured by: Per Vivo Labs, Inc., Kingsport, TN



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PRODUCTS WITH A  
**MISSION®**

**Polar Skin Mini-Mesh™** A unique smart textile treated with a hydrofunctional polymer. Fiber construction allows for liquid absorptive capacity 350% greater than basis weight.

**ArcticAqua™** A proprietary solution that prevents rigidity at temperatures well below 0°F while providing the requisite moisture to support evaporative, convective, and conductive cooling without drying out.

### Polar Skin Ice Sheets™

The principle cooling component of Polar Skin™ cooling systems.

Constructed from Polar Skin Mini-Mesh™, Polar Skin Ice Sheets™ come saturated in ArcticAqua™ and react to an elevated body temperature to promote evaporative cooling. The Single Pack comes with one 36"x30" Ice Sheet, Double Pack includes two and our new Triple Pack includes three Polar Skin Ice Sheets. All Polar Skin products are packaged in a rugged, durable foil pouch that prevents air or moisture transfer.

- Excellent thermal transmittance and moisture vapor transmission rate
- Adheres to current National Athletic Trainers' Association and U.S. Army protocols for heat illness treatment
- Packaged in a rugged, durable foil pouch that prevents air or moisture transfer
- Allows for full access to the body while cooling



Item	Item#	NSN#	Wt	Package Dimensions
Single	ZZ-0668	6532-01-653-6054	0.6 lbs	L 4.5 in. x W 7.75 in. x H 0.5 in.
Double	ZZ-0669		1.4 lbs	L 9.5 in. x W 8 in. x H 0.5 in.
Triple	ZZ-0755		2.2 lbs	L 12.5 in. x W 7.5 in. x H 0.5 in.

### Polar Skin™ Ice Sheet, Large

Same as regular Ice Sheets, but in a larger 36 in. x 60 in. size

Item	Item#	NSN#	Weight	Package Dimensions
Large	ZZ-0758		1.49 lbs	L 8.5 in. x W 5.5 in. x H 1.5 in.

### Polar Skin C2E Ice Pack™ Bundle

The Polar Skin C2E Ice Pack™ Bundle consists of four specially-sized Comfort Gel Packs encased in Polar Skin Mini-Mesh™ sleeves saturated with ArcticAqua™. Unique to C2E Ice Packs, Polar Skin Mini-Mesh sleeves form an air-permeable layer that allows for the movement of air and water vapor necessary for convective and evaporative cooling.

- Facilitate Conductive, Convective, and Evaporative (C2E) cooling of high blood flow (large artery) regions of the body (underarms, abdomen, neck, and groin)



Item Name	Item#	Weight	Package Dimensions
C2E Bundle	ZZ-0675	4.4 lbs	L 8 in. x W 9.5 in. x H 1.25 in.



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### Polar Skin Comprehensive Cooling System™

The Polar Skin Comprehensive Cooling System™ is a complete and portable modality for the treatment of heat-related illnesses that consists of two Triple Pack Polar Skin Ice Sheets and one Polar Skin C2E Ice Pack Bundle.

- Scientifically proven to promote rapid core temperature reduction
- Protracted direct cooling of high blood flow regions



Item Name	Item#	Weight	Package Dimensions
Comprehensive	ZZ-0674	8.33 lbs	L 11 in. x W 10 in. x H 4 in.

### Polar Skin™ Complete Care Pack

Portable, highly insulated option to carry the Polar Skin Comprehensive Cooling System into the field. The Polar Skin™ Comprehensive Cooling System is a highly-effective portable cooling system for the treatment of heat-related illnesses. Consisting of two (2) Polar Skin™ Ice Sheets (Triple Pack) and one (1) Polar Skin™ C2E Ice Pack Bundle, the Polar Skin™ Comprehensive Cooling System is scientifically proven to promote rapid core temperature reduction



- Contains one Polar Skin Comprehensive Cooling System and one heavy-duty, leak & sweat proof Red Polar Skin Cooler that keeps ice from melting for 24 hours in +100°F heat.
- Polar Skin Cooler is also available for separate purchase.

Item Name	Item#	Weight	Package Dimensions
Complete Care	80-0451	10.2 lbs	L 14 in. x W 12 in. x H 7 in.

### Polar Skin Cooling Collar™

Two specially-sized gel packs encased in integrated pouches, deliberately designed to align with the carotid artery and provides cold directly to the lateral and anterior portions of the neck.



Item Name	Item#	Weight	Package Dimensions
Cooling Collar	ZZ-0670	2.55 lbs	L 10 in. x W 6 in. x H 2 in.

### Polar Skin™ Cooler

Constructed of heavy duty materials with padded shoulder strap and a side pocket for dry items..

- Food grade leak-proof and sweat-proof liner
- Standard size accommodates one Polar Skin Comprehensive Cooling System and Large size accommodates two Cooling Systems.



Item	Color	Size	Item#	Weight	Package Dimensions
Cooler	RED	Std	ZZ-0682	1.2 lbs	L 14 in. x W 12 in. x H 7 in.
Cooler	BLK	Std	ZZ-0759	1.2 lbs	L 14 in. x W 12 in. x H 7 in.
Cooler	BLK	Lrg	ZZ-0756	2.8 lbs	L 18.5 in. x W 13 in. x H 9.5 in.

### Polar Skin™ Complete Care Backpack

The Complete Care Backpack is a Comprehensive Polar Skin option designed to carry the Comprehensive Cooling System(s) into the field - with the ease and convenience of a Backpack style configuration.

- Single Pack features Backpack Cooler and One (1) Comprehensive Cooling System for portable treatment of a single patient
- Double Pack features Backpack Cooler and Two (2) Comprehensive Cooling Systems for portable treatment of two patients



Item	Color	Size	Item#	Weight	Package Dimensions
Single	BLK	Single	80-0543	12.8 lbs	L 19.5 in. x W 15 in. x H 7.5 in.
Double	BLK	Double	80-0544	21.8 lbs	L 19.5 in. x W 15 in. x H 7.5 in.