

# QUANTUM ULTIMATE INTENSIVE RESUSCITATION CARRY *Q.U.I.C.K.*

REV051723

The Quantum Ultimate Intensive Resuscitation Carry Kit (Q.U.I.C.K) provides a compact, convenient carry solution for everything needed to deploy and utilize the Quantum System. Combining the blood and fluid warming system with individually packaged NAR Saline Locks in this MOLLE/PALS configured nylon pouch, equips providers with an optimized solution for carriage to the point of wounding.

The Quantum Blood and Fluid Warming System from LifeWarmer is a Game-Changing innovation that has succeeded in closing a critical capability gap previously left exposed by other commercial off-the-shelf fluid warmers currently fielded. Size, weight, performance, and ease of use are no longer collective barriers to the delivery of whole blood in far forward and near point of injury (POI) prehospital casualty management.

The Quantum exceeds all healthcare and logistical requirements for the delivery of warmed blood or fluids across the defined spectrum of care. The system consists of unique thermal administration sets that incorporate sensing elements with an integrated heating system that does not disrupt the fluid path. With advanced intelligence throughout the system, the lightweight Controller modulates and moderates the energy flow to the integrated heating elements to ensure consistent normothermic fluid delivery to the casualty. The 44V battery is the smallest in category, able to rapidly adjust power distribution based on the temperature and flow rate of the input fluid. This creates a highly efficient system capable of previously unrealized performance optimizations. The Quantum system has an operational weight of just 22 total ounces yet can deliver two units of 39°F Whole Blood (WB) at 100mL/min with an output temperature of 100.4°F (38°+/- 2°C) with only a 24 second warm-up period. The Quantum Blood and Fluid Warming System provides the Tactical Health Care Professional with significant technological overmatch in the fight to eliminate preventable combat death.

NOTE: The Quantum System includes charger that is not intended to be packed in the nylon pouch during deployment.



## Q.U.I.C.K.

Rx

ITEM #	OPTION	NSN #
35-0026	Basic	----
35-0025	Advanced	----



**NORTH AMERICAN RESCUE®**  
[www.NARescue.com](http://www.NARescue.com) • 888.689.6277

**PRODUCTS**  
 WITH A  
**MISSION®**

# QUANTUM ULTIMATE INTENSIVE RESUSCITATION CARRY *Q.U.I.C.K.*

REV051723

## Kit Contents:

- 1 x Quantum Lifewarmer System
  - 1 x Controller
  - 1 x Battery
  - 1 x Battery Charger
  - 2 x TTS-B (Thermal Transfusion Set - Blood)
  - NOTE: TTS-B is Single Use Only, Supplied sterile via Ethylene Oxide
- 2 x NAR Saline Lock Kit

## Advanced Kit Also Includes

- 1 x Blood Bag, 450 ml
- 1 x 550 Cord, 10 in
- 1 x Eldon Card

## Quantum Operating Parameters:

### IV Fluids

- Input Temp: 68°F
- Output Temp: 100.4°F (38°+/- 2°C)
- Flow-Rate: 2 - 200ml/min (+)
- Warm-up Time: 24 seconds
- Warming Capacity with a Single Battery: 1700 mL

### Blood or Blood Products

- Input Temp: 39°F
- Output Temp: 100.4°F (38°+/- 2°C)
- Flow-Rate: 2 - 100mL/min (+)
- TTS-B and TIS drip rates of 20 gtts/mL
- Warm-up Time: 24 seconds
- Warming Capacity with Single Battery: 2 units (+)

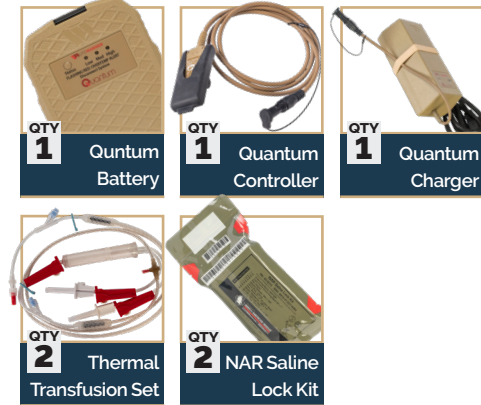
## Specifications:

- Advanced Kit includes everything in the basic, PLUS (1) 450 ml Blood Bag, (1) 550 Cord, 10 in, and (1) Eldon Card
- The lightest operational weight of any portable blood & fluid warming system (Total Operational Weight: 22 oz)
- Warms two units of 39°F refrigerated whole blood at 100mL/min+ on a single charge
- Warm-up time of only 24 seconds
- The thermal transfusion/infusion set looks, handles, and sets up/primes like any conventional IV set
- Tested safe for blood, blood products and IV solutions
- The system is plug-and-play for ease of setup under stressful conditions such as tactical field care (only two connection points, with no plug orientation or set-up order requirements system status constantly visible at a glance)
- Does not require additional standard transfusion or infusion set – all other warmers do
- Only system FDA cleared allowing easy disable of audible alerts to protect operators in combat

## Weights & Dimensions:

- Battery: 16 oz
- Controller: 3 oz
- Thermal Transfusion Set (TTS-B): 2.7 oz
- Charger: 22 oz
- Total Operational Weight: 22 oz (Controller, Battery & TTS-B)
- Kit Dimensions: L 8 in. x W 5.25 in. x D 4 in

## Q.U.I.C.K. Includes:



## Q.U.I.C.K. Advanced Also Includes:



## Q.U.I.C.K.

Rx

ITEM #	OPTION	NSN #
35-0026	Basic	----
35-0025	Advanced	----



**NORTH AMERICAN RESCUE®**

www.NARescue.com • 888.689.6277

**PRODUCTS**  
WITH  **MISSION®**