



Improving patient care under fire

The Tactical Casualty Care Simulator (TCCS) is a ruggedized simulator for comprehensive TCCC training with wounding patterns that simulate traumatic **injuries from an explosion and gunshot wounds**. Simple to operate, the TCCS is designed for training in prehospital patient care, wound management, airway stabilization and hemorrhage control.

The TCCS features arterial and venous hemorrhage, humeral & sternal intraosseous, two-way communication and needle decompression in both midclavicular and axillary regions. The TCCS is highly ruggedized, water-resistant, fully mobile and ideally suited for challenging, real-world training scenarios in any indoor or outdoor environment.

Lifelike tissue
and high anatomic
fidelity

Remotely
activated for realistic
and challenging
in-the-field scenarios

Simulates injuries
from an explosion
and gunshot
wounds

Tactical Casualty Care Simulator

Comprehensive Tactical
Combat Casualty Care
Preparedness



Hemorrhage Management

Remote-controlled pulsatile bleeding and arterial hemorrhage

Bleeding control via pressure, elevation, and pressure points

CAT, junctional and aortic tourniquets

Apply tourniquets to control bleeding

Apply junctional tourniquets to control massive hemorrhage

Assess and treat upper and lower limb amputations

Wound packing

Multiple and independent bleeding sites

Through and through wounds

3 gallon blood reservoir





Airways

- Assessment of oral and nasal areas
- Insert nasal & oral pharyngeal airways
- Manage difficult airway
- Perform advanced foreign body removal from airway
- Perform suction of the airway — nasal and oro pharyngeal
- Perform intubation – King LT
- Perform intubation – I-Gel
- Cryothyrotomy



Breathing

- Remote-controlled respiratory rate
- Bilateral and independent chest excursion
- Tension pneumothorax corrected by midclavicular and midaxillary needle insertion
- Support to external ventilation

Circulation

- Remote-controlled heart rate
- Remote-controlled pulses—carotid and non-injured limbs
- Humeral and sternal intraosseous



Manikin and Software

- Full-body, wireless and tetherless simulator
- Ruggedized and water-resistant for indoor and outdoor environments
- Realistic and lifelike 185lb weight
- Fully-articulated limbs
- Easy-to-use instructor tablet and software (iOS, Android and Mac/PC)
- Two-way, headset communication system
- Simulation logs
- System “health” status with complete and real-time self-diagnostics

Tactical Casualty Care Simulator

Available in five wound pattern configurations:

Wound Pattern 1	Gunshot wound to face causing hemic drowning Gunshot wound to left upper arm Fragment wounds to the left chest
Wound Pattern 2	Shrapnel injury to neck causing major vascular injury Oblique through-and-through gunshot wound to right groin above tourniquet line Gunshot wound to left thigh Open tibular/fibular fracture
Wound Pattern 3	Traumatic amputations: - Left elbow - Above left knee - Upper right thigh above tourniquet line Burn, blast and fragment wounds on left side of body
Wound Pattern 4	Traumatic amputations: - Left elbow - Above left knee Sucking chest wound Burns to left side of face Fragmentation wounds to left side of body
Wound Pattern 5	Open abdominal wound with evisceration Traumatic amputation above right wrist Deep avulsion of the posterior proximal right thigh

Technical Specifications:

Full-body wireless male manikin
Water resistant
76"H x 28"W x 12" D (192cm x 70 x 30)
185lbs (82Kg)
Fully-articulated limbs

Internal batteries - Dual pack
18V 12A hour lithium-ion, rechargeable
Run time: 45+ hours
Electrical: Input: 110v

Two-Way Communication
Line of sight two-way communications headset.
Range up to 100 yards

Instructor Control Interface Tablet
Instructor Control Interface Software and License
Rugged Carry Case

30 Gal concentrated antimicrobial, antifungal, antifreeze simulated blood

Optional Items

Part Number 220001: Simulated Blood
Part Number 500076: Additional Battery Pack
Custom wound configurations

Contact your Operative Experience representative for more information about all our training products.

