

Tactical Casualty Care Simulator



Operative Experience

Available in five wound pattern configurations:

Wound Pattern 1 1021380	Gunshot wound to face causing hemic drowning Gunshot wound to left upper arm Fragment wounds to the left chest
Wound Pattern 2 1021381	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 1021382	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 1021383	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 1021384	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 (192 x 70 x 30cm)
- 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 3B Scientific representative for more information about all our training products.

TACTICAL CASUALTY CARE SIMULATOR



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



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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 (84 kg) 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