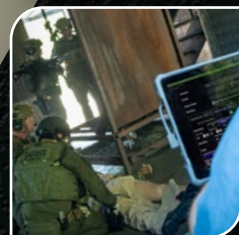


MILITARY



SIMULATIONS

*NAR Simulation
Product Guide*



NORTH AMERICAN RESCUE®

Simulation



TOMManikin®

BASIC | BLAST | GSW | WATER | BURN | CBRNE | FEMALE

Rugged, state-of-the-art training simulators, NAR Simulation's TOMManikin® Series provides the comprehensive solution for enhanced training in Tactical Combat Casualty Care (TCCC) from Point of Injury to transfer of higher care!

- **All-in-one, hyper-realistic trauma simulation solution** enabling instructors to build multiple realistic traumatic casualty scenarios with reactive patients
Ideal for use in classroom settings, trauma lanes and field training scenarios
- **Multiple, interchangeable extremities** present a variety of wounding patterns to provide full mission profiles in combat scenarios and disaster/mass casualty re-creations
- **Solid metal bones and joints** constructed of welded steel for unparalleled durability and quick exchange leg joints for flexibility in the most austere environments
- **Proprietary silicone skins** available in light, medium or dark skin tones that will not break down during prolonged UV exposure or extreme temperatures
- **160-190 lb manikin** provides extremities capable of withstanding up to 6,000 lb of pressure - Ideal for building collapse/entrapment training scenarios beyond conventional exercises
- **Ruggedized remote controls** provide simultaneous long-range communications with multiple NAR Simulation devices all from a single device!
- **TOMManikin®, TAMikin®, TCCC Man and K-9** simulators all include **3-year WARRANTY**



SPECIAL FEATURES

Interactive Animatronics:

- Lifelike Breathing Mechanisms
- Functional Anatomical Airway
- Variable Radial Pulse Rates & Pressure
- High Fidelity Bleeding from Multiple Wounds
- Customizable, Multi-language Voice Tracks
- Rugged Softech® Skin in a variety of skin tones

Wireless Controls:

- Wireless Remote NAR Simulation Instructor Tablet & Software
- Stand alone point-to-point communications with .5 mile line of site range

Flexible Wound Configurations:

Basic | Blast | GSW | Water | Burn | CBRNE

Custom configurations including Female Anatomy on request

Clinical Interventions available on ALL TOMManikins:

MASSIVE HEMORRHAGE:

- **Tourniquet Application** (proximal, junctional & abdominal)
- **Active Bleeding Control** by **Direct Pressure** on Pressure Points
- **Wound Packing**

ADVANCED AIRWAY:

- **Nasopharyngeal/Oral/Supraglottic Airway** Insertion
- **Endotracheal Intubation**
- **Surgical Airway** and **Tissue Dissection** with Realistic Bleeding

RESPIRATIONS:

- **Chest Seal Application**
- **Bilateral Needle Decompression**
- **Chest Tube Capable**

CIRCULATION:

- **CPR Chest Compressions**
- **Antecubital IV Access** on uninjured upper limbs
- **IO Access** (sternal, humeral, & tibial)



NORTH AMERICAN RESCUE®
Simulation



Every TOMManikin® includes:

ACCESSORY KIT

- 2 x NiMH rechargeable batteries (5-amp & 10-amp) with independent chargers
- 1 x T-handle wrench
- Replacement connectors
- 5-pack of surgical airway neck skins (35 op sites)
- 8 oz. concentrated sim blood
- 2.5 gal. blood fill bottle
- NAR Simulation Instructor Tablet
- 1 x NAR® IFAK

- Instructor-worn 2-way communications headset
- 2 x Three-wheeled transport and storage carriers designed for TOMM

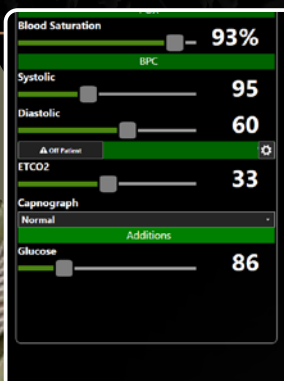
UNIFORM

- Berry Compliant
- Digital pattern
- Shirt features hook and loop sleeves and lateral seams
- Pants feature hook and loop inseam and lateral seams

NAR SIMULATION INSTRUCTOR TABLET with Scenario Preset Builder Software

Features:

- Features proprietary communication link that requires NO Wi-Fi, Bluetooth, or LAN connections
- Simultaneous long-range communications with numerous NAR Simulation devices
- NO interference risk with telemetry, avionics, or weapon systems





BASIC TOMManikin®

- **Tourniquet Application** (proximal, junctional, and abdominal tourniquets)
- **Active bleeding** controllable by **direct pressure** on pressure points
- **Wound packing** with realistic bleeding control
- **Nasopharyngeal and oral airways, supraglottic airway** insertion and **endotracheal intubation**
- **Surgical airway** with realistic bleeding and tissue dissection 35 operative sites included
- Remote controlled **breathing rates**: Slow, Normal, and Fast
- **Bilateral Needle Decompression** at either 2nd/3rd intercostal (mid- clavicular), or 5th/6th intercostal (mid-axillary) locations
- Realistic **chest seal application & adhesion**
- **Chest Tube** capable (bilateral)
- **Radial pulses** in uninjured upper extremities & bilateral carotid pulses
- **CPR Chest Compressions**
- **Variable pulse rate & pressure** (Normal, bounding, thready)
- Anterior and Posterior **Crepitus Hip / Pelvic Binder** Application
- **IV/IO access** (sternal, humeral, antecubital, tibial)

BASIC Wounding Patterns:

1. Partial Arm Amputation below the elbow with Massive bleeding and dramatic soft tissue damage, exposed hard bone and discernible tissue layers Responds to tourniquet application or brachial artery direct pressure application

2. Full Amputation Leg with massive bleeding, extensive soft tissue damage, exposed hard bone, visible tissue layers. Responds to direct junctional pressure and tourniquet application



*Other configurations and skin tones are available upon request

◀ **All Manikins include the NAR Simulation Instructor Tablet**

BASIC TOMMANIKIN® *

ITEM #	NSN #
93-0035	6910-01-705-3108

BLAST TOMManikin®

BLAST Wounding Patterns:

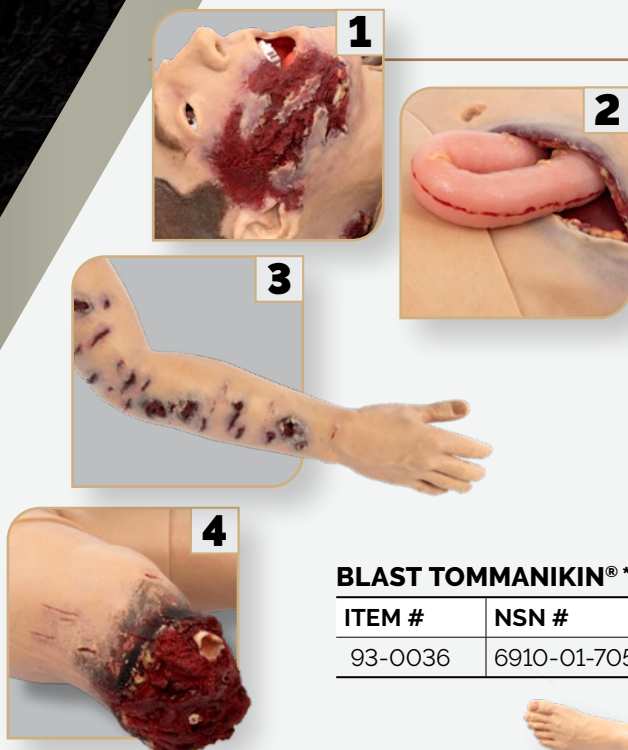
1. Open Jaw Fracture Head Skin with massive maxillofacial bone and soft tissue injuries, actively bleeds. Supports OP/NP/ET/ Surgical airways

2. Packable Abdominal Evisceration with intricate handcrafted attention to anatomical detail with visible tissue layers, and 10 in. of eviscerated bowel with peripheral ecchymosis surrounding large open wound. Massive bleeding with "clampable" vessel

3. Shrapnel Wound Arm with active bleeding, multiple soft tissue wounds, responds to tourniquet application

4. Full Amputation Leg with massive bleeding, extensive soft tissue damage, exposed hard bone, visible tissue layers. Responds to direct junctional pressure and tourniquet application

*Other configurations are available upon request



BLAST TOMMANIKIN® *

ITEM #	NSN #
93-0036	6910-01-705-3094



GSW (Gun Shot Wound) TOMManikin®

GSW Wounding Patterns:

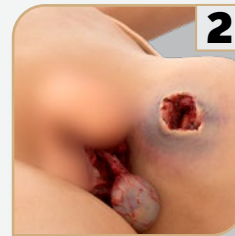
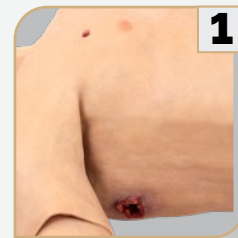
1. GSW to Chest with anterior GSW entry & posterior exit. Actively bleeds from both locations. Anterior wound mixes with air from onboard compressor to create bubbling bleeding effect. Supports chest seal application and pleural needle decompression

2. GSW to Groin with GSW anterior entry/posterior exit with soft tissue trauma to penis and avulsed scrotum with prolapsed testicle. Wounds present with peripheral wound site ecchymosis, exposed sub-q fat layer and muscle striation. Entry wound is packable and responds to both peripheral and junctional tourniquet application and femoral pressure point application

3. GSW Leg with through & through GSW to leg above the knee. Entry wound presents with small entrance hole with circular powder burn. Exit wound has exposed fat and wound site ecchymosis. Variable bleeding rate. Responds to both peripheral and junctional tourniquet application and femoral pressure point application. Can be used as an impaled object using steel rebar, or wooden stake

4. Full Amputation Leg (Option)** with massive bleeding, extensive soft tissue damage, exposed hard bone, visible tissue layers. Responds to direct junctional pressure and tourniquet application

*Other configurations are available upon request

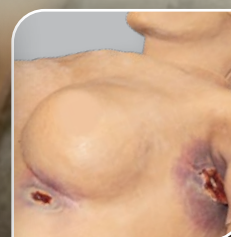


Addressing injury locations based on US Army study suggesting females who suffer penetrating injuries to chest, abdomen, pelvis have a higher mortality rates than male colleagues

TAMikin™ GSW

Female version of TOMManikin™ GSW, with anatomically correct female features and voice

- Injuries located in sensitive areas such as under breast & pubic area as well as the leg
- Parallels GSW TOMManikin's capabilities & wounding patterns



GSW TOMMANIKIN® *

OPTION	ITEM #	NSN #
GSW TOMM	93-0040	6910-01-705-2593
GSW TOMM (w/Leg Amputation)	93-0369	6910-01-705-3130
GSW TAMikin™ ***	93-0039	6910-01-705-3141
GSW TAMikin™ *** (w/Leg Amputation)	93-0381	

***Female version

*Other configurations are available upon request

TCCC MAN® Simulator

Specifically designed for the application of skills and education utilizing protocols from Tactical Combat Casualty Care (TCCC)

TCCC Interventions Supported:

- Massive hemorrhage control (tourniquet application and wound packing)
- Tourniquets (peripheral & junctional tourniquets)
- Chest seal application
- Airway management (NP/OP airways, supraglottic devices, endotracheal intubation)
- Sternal and Tibial intraosseous sites

Wounding Patterns:

GSW to Chest with anterior entry and mid-axillary exit wound

Deep Packable pelvic wound

Full Amputation Leg below the knee. Tourniquet responsive

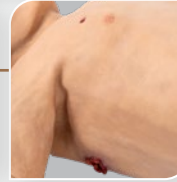
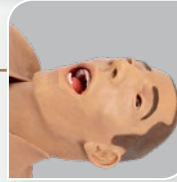
Unstable Pelvis with palpable crepitus

TCCC MAN® Simulator

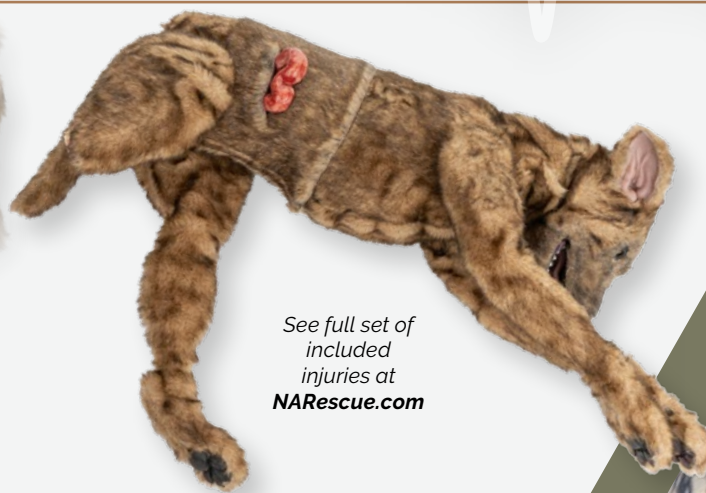
ITEM #

93-0958

At 150 lbs. with a welded steel frame, TCCC Man® withstands drops, falls, and drags.



K-9 Medical Simulator



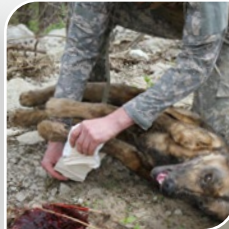
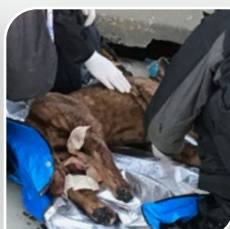
See full set of included injuries at NARescue.com

K-9 Features:

- Welded steel frame, solid metal joints
- Expanded joint range of motion
- Multiple interventions supported, including Hemorrhage, CPR, Needle Decomp. and more.
- 5 interchangeable limbs with various injuries: Complete Amputation, Open Fracture, Soft Tissue Injuries, Road Rash/Burns, Penetrating Injury, & Evisceration
- Life-like airway
- Barks, Whines, Bleeds & Breathes
- 1L onboard blood capacity
- Wireless operation via NAR Simulation Instructor Tablet

K9 SIMULATOR

ITEM #	NSN#
93-0027	6910-01-706-0307



BURN TOMManikin®

Wounding Patterns:

Burn Face** with 1st, 2nd, 3rd-degree burns to face that supports all airway adjuncts. *Head skin is interchangeable with other TOMManikins*

Burn Arms with 1st, 2nd, 3rd-degree circumferential burns to both arms

BURN TOMMANIKIN® *

ITEM #

93-0037

****Head skin is interchangeable with other TOMManikins**

CBRNE TOMManikin®

Wounding Patterns:

Burn Face* with 1st, 2nd, 3rd-degree burns to face that supports all airway adjuncts. *Head skin is interchangeable with other TOMManikins*

GSW to Chest with anterior GSW entry & posterior exit. Actively bleeds from both locations. Anterior wound mixes with air from onboard compressor to create bubbling bleeding effect. Supports chest seal application and pleural needle decompression

Abdominal Evisceration (Wearable Moulage) with intricate handcrafted attention to anatomical detail with visible tissue layers, and 10 in. of eviscerated bowel with peripheral ecchymosis surrounding large open wound. Massive bleeding with 'clampable' vessel.

GSW to Groin with GSW anterior entry/posterior exit with soft tissue trauma to penis and avulsed scrotum with prolapsed testicle. Wounds present with peripheral wound site ecchymosis, exposed sub-q fat layer and muscle striation. Entry wound is packable and responds to both peripheral and junctional tourniquet application and femoral pressure point application

CBRNE TOMMANIKIN® *

ITEM #

93-0038

**Other configurations are available upon request*

WATER TOMManikin®

Wounding Patterns: Partial Leg Amputation below the knee with massive soft tissue trauma and exposed hard bone, muscle and tissue layers.

Options:

GSW to Chest with anterior GSW entry & posterior exit. Actively bleeds from both locations. Anterior wound mixes with air from onboard compressor to create bubbling bleeding effect. Supports chest seal application and pleural needle decompression

-or-

Packable Abdominal Evisceration with intricate handcrafted attention to anatomical detail with visible tissue layers, and 10 in. of eviscerated bowel with peripheral ecchymosis surrounding large open wound. Massive bleeding with "clampable" vessel

Closed Fracture Arm with ecchymosis and palpable crepitus.



Right: Designed to be submerged up to 33 feet in either fresh or salt water



WATER TOMMANIKIN® *

ITEM #

OPTION

93-0041

Basic

93-0108

with 4 injuries

NEW!

MULTI-TOMMANIKIN®

with NAR Simulation
Instructor Tablet

Rugged, state-of-the-art training simulators, NAR Simulation TOMManikin® Series provides the comprehensive solution for enhanced training in Tactical Combat Casualty Care (TCCC) from Point of Injury to transfer of higher care!

- **Multiple, interchangeable appendages** simulate gunshot wounds, blast injuries, burns, and more
- **Supports realistic mission profiles** for combat operations, disaster simulations, and mass casualty training

3-year WARRANTY

Multi-TOMManikin® includes
3-year manufacturer warranty
from date of delivery

Features:

- Versatile Wounding Patterns
- Durable, Rugged Construction
- Advanced Remote Control & Feedback
- Field-Ready Power & Fluids
- Comprehensive Intervention Capabilities
- Voice & Communication
- Water-Resistant and Low Maintenance



TCCC Interventions Supported:

- Tourniquet application (proximal, junctional, abdominal)
- Wound packing with bleeding control
- Airway management (NPA, OPA, supraglottic, intubation, surgical airway)
- Bilateral needle decompression & chest tube insertion
- IV/IO access (sternal, humeral, antecubital, tibial)
- Radial and carotid pulses, variable rates and pressures

Discover more hyper-realistic **Training Simulators**
available at **NARescue.com** today!

Kit Includes:

- NAR Simulation Advanced Remote Tablet & Software
- 1.2 gallon onboard blood reservoir
- Pelican 1500 accessories case
- 12V NiMH batteries (5AH & 10AH) with smart chargers
- T-handle tool & fluid connectors
- Hook & loop training uniform
- NAR® IFAK
- 35 'bleeding' operative sites
- Instructor Bluetooth® headset
- TOMManikin® Operator's Manual

Injuries Included:

- Head: Uninjured Head Skin
- Chest: GSW Chest Skin with entry wound to right chest and exit wound to right axilla
- Right Arm: Uninjured Arm with Radial Pulse, IV and IO Access
- Left Arm: Uninjured Arm with Radial Pulse, IV and IO Access
- Pelvic: Injured Male Pelvic Skin with Avulsed Testicle, Packable GSW Entrance wound to Left Inguinal Area, exit wound to Left Buttocks
- Right Leg: Multiple configurations include – Uninjured Leg, GSW Injured leg, with true through-and-through entry and exit wound, Partial Amputation foot, Full Amputation above the knee
- Left Leg: Uninjured with Tibial IO access

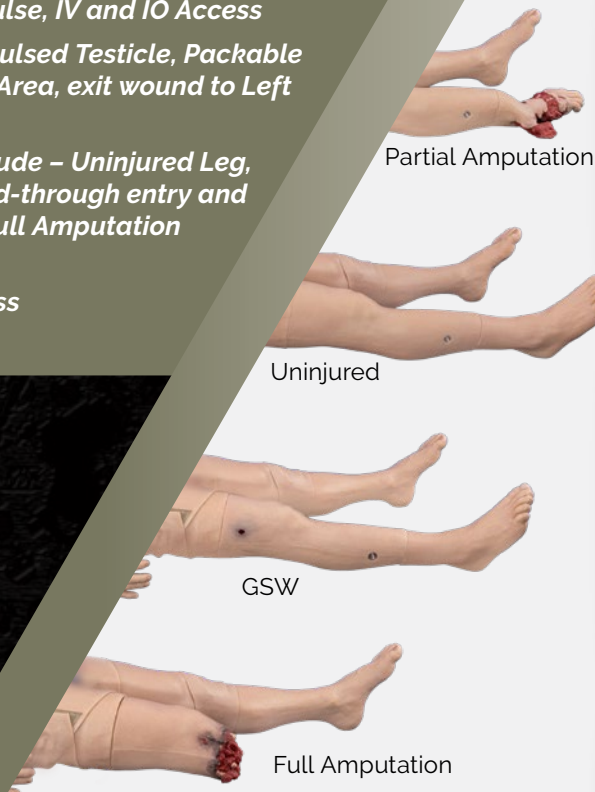
Dimensions:

- Carrier Bags (2 x):
L 42 in. x W 24 in. x H 16 in.
- Assembled Manikin:
L 74 in. x W 24 in. x H 10 in.
- Accessories Pelican Case:
L 13.74 in. x W 11.63 in. x D 5.9 in.
- Weight: 160–190 lbs.
(configuration dependent)

MULTI-TOMM

ITEM #

93-1237



MODULAR ASSEMBLY

Deluxe **ALS KIT**

Designed to simulate various vital signs for advanced life support monitoring and simulation

Features:

- Simulated NIBP cuff, SpO₂ finger probe, and ETCO₂ inline detector with waveform and digital value
- Simulated cardiac monitor screen with Lead II tracing rhythm
- ETCO₂ & SpO₂ waveforms, NIBP. Fully functional monitor screen for defibrillation/AED mode, alarms, and rhythm synchronization
- All student-visible values controlled via NAR Simulation Instructor tablet (included)
- NAR Simulation software includes exportable student evaluation performance documentation

DELUXE ALS KIT

ITEM #

93-0351



Disconnect your student's dependency on instructor "over-the-shoulder" input

PATIENT MONITORING SUITE

with NAR Simulation Instructor Tablet

NAR Simulation Patient Monitoring Suite of simulators can be used in all phases of patient care for any human (role-player), or ANY patient simulator

Features include:

- **NAR Simulation Capnograph Simulator**
Designed to be used as a mainstream carbon dioxide monitor that can be connected in-line with a mask or tube. Simulator displays include carbon dioxide partial pressure, respiratory rate and CO₂ waveform.
- **NAR Simulation Pulse Oximeter Simulator**
Utilizes the widely used finger-style probe for monitoring blood oxygen saturation. Simulator display includes Heart Rate, SpO₂ and SpO₂ waveforms.
- **NAR Simulation NIBP Monitor Simulator**
Designed to replicate a portable NIBP monitor. This simulator allows medical responders to gather vital signs without instructor intervention. Onboard controls allow various modes of operation. Display includes systolic & diastolic pressures (mmHg) and heart rate.

PATIENT MONITORING SUITE - W/ TABLET

ITEM #	OPTION
93-0071	w/ Tablet
93-0263	w/o Tablet



▼ **Non Invasive BP Cuff***

◀ **Capnograph***

▼ **Pulse OX***

◀ **93-0071 Includes NAR Simulation Instructor Tablet**

*NIBP Cuff (93-0264), NAR-S Capnograph (93-0265) and NAR-S Pulse Oximeter (93-0266) also available at www.NARescue.com





MOBILE FEEDBACK SYSTEM

**requires
AC power*

***Standalone mobile platform
to capture simulation events****

Features include:

- Pelican 1650 case with custom-cut foam to protect all system components
- 2 x Cameras
- 2 x 72 in. Telescopic Tripods with camera mounts
- 3 x Terabyte stand-alone recorder
- 1 x NAR Simulation Instructor Tablet for wireless communications
- Proprietary software with instructor bookmark/replay feature, simulator status capture, trainee biometric capture, trainee evaluation software (exportable reports)
- 2 x 25 ft. CAT-6 retractable cord reels
- Trainee-worn stress monitor
- Features streaming participant heart and respiratory rate



MOBILE FEEDBACK SYSTEM

ITEM #

93-0945



Features:

- Student wearable system that allows instructors to "live monitor" up to 4 students' heart and respiratory rates
- 4 student kit w/puck, harness & software
- Includes monitor 'pucks', charging cradles, harness, and USB cables
- Requires NAR Tablet and software (not included)



WEARABLE TRAINEE STRESS MONITOR

ITEM #

93-0273

WEARABLE TRAINEE STRESS MONITOR



AIR BLAST Simulator

Features:

- Portable system utilizes compressed air to create a simulated blast effect.
- All components housed in a waterproof hard shell case
- Safe for indoor use
- Eco-friendly
- Built-in compressor
- Onboard rechargeable battery and charging system included.

AIR BLAST SIMULATOR

ITEM

93-0291



SENSORY CONTROL UNIT *without camera*

Built as a rack system, the SCU is self-contained, easily transportable, and will configure to most training environments, especially stationary units (e.g. cargo container and kill houses). The system is completely reusable and easily reset so that training iterations can be run with minimal interruption.

The SCU contains the hardware, software and electrical components required to equip multi-sized simulation environments for a training procedure. To recreate the realism of extrication under fire, the training operator can introduce into the training structure (laptop Master Controller or NAR Simulation Tablet) varying intensity of light, smoke (foggers), wind, and sound.

This platform supports the addition of cameras.

SENSORY CONTROL UNIT

ITEM

93-0279



Features:

- 2 hard cases for cables and wireless control devices.
- Upgrade capability for NAR Simulation Video Management System.

Contents:

- **LED light set (x2)**
 - Wireless control
 - Six brilliant amber, blue, red, and white LEDs
 - Clear optic hard-coated polycarbonate lens
 - Stand included
- **Fogger (x1)**
 - Wireless Control
 - Water-based fog/smoke
 - .9-gallon capacity
 - Low fluid indicator
 - Output 20,000 CFM
 - Features low fluid light indicator
 - LED-illuminated tank
 - Automatic shutdown
- **Blower (x1)**
 - Wireless control
 - 3-speed output (2600-4000 CFM)
 - 1HP
- **Loudspeakers (2x)**
 - Wireless control of volume and soundtracks
 - Built-in 1000W amplifier (2000W peak – 1000 continuous)
 - Output: 127dB
- **Air blast simulator (x1)**
- **NAR Simulation Instructor Tablet (x1)**

The NAR Simulation tablet is a ruggedized tablet that communicates with multiple NAR Simulation devices via Bluetooth to ZigBee relay.

MOBILE ENVIRONMENT CONTROL UNIT

with NAR Simulation Instructor Tablet

MECU is designed for mobility, and can be set up in a variety of training areas. This is a great option for smaller scale simulation events where dedicated training facilities are not available.

Features: & Contents:

- 2 hard cases for cables and wireless control devices.
- LED light set (x1)
- Fogger (x1)
- Blower (x1)
- Loudspeakers (x2)
- NAR Simulation Instructor Tablet with proprietary NAR Simulation Advanced Remote software

MOBILE ENVIRONMENT CONTROL UNIT

ITEM #

93-0275

Techline Trauma WEARABLE NECK WOUND

- Hook and loop closure
- Exposed fat and muscle layers
- Integrated bleeding system

Dimensions:
L 6 in. x W 6 in. x H 6 in.
Weight: 1 lbs.

Techline Trauma WEARABLE LEG WOUND - GSW

- Simulates a through and through gunshot
- Bleeds from entry and exit wounds
- Washable and reusable

Dimensions:
Packaged - L 6 in. x W 6 in. x H 6 in.
Weight: 3 lbs

TECHLINE TRAUMA WEARABLE WOUND SIMULATORS

WEARABLE WOUND SIMULATORS

OPTION	ITEM #
Neck Wound	93-0215
Leg Wound - GSW	93-0212

More wearable wound options available at NARescue.com

All Techline Trauma wearable wound simulators are compatible with both live actors and **TOMManikin®**

Environments

H-60 | CV-22 | MH-6 | SIMULATION CENTER

CASEVAC SIMULATOR H-60

The NAR Simulation H-60 is a portable, and reusable helicopter cabin structure built for providing realism to combat medical training without heavy demand on personnel.

NAR Simulation H-60 provides the capability to train appropriate personnel on the proper methods of administering medical aid to occupants from the interior of a structure within the parameters of a training exercise.

Features:

- Equipped with Sensory Control Unit and NAR Simulation Instructor Tablet
- Allows for combat configuration of equipment
- Train combat loading multiple patients
- Allows for loading patients from Point of Injury
- Simulate treatment during transportation
- Compatible with Fries Bar attachment*

Add'l Options Available:

- Fries Bar
- Blackout Window Kit
- ICS Box (Includes 2 headsets and 15 ft. PTT cables)
- Add'l Headset (w/ 15 ft. PTT cable)

Dimensions:

L 25 ft. x H 8.5 ft. x W 6.75 ft.

Weight: 2200 LBS

*Fries Bar attachment available for H-60. Visit NARescue.com for more info. ▶

CASEVAC H-60

OPTION	ITEM #	NSN#
H-60	93-0335	6910-01-706-0111
Fries Bar	93-0300	---
ICS Box	93-0299	---
Add'l Headset	93-1104	---
Blackout Kit	93-0336	---

NEW H-60 Cockpit with Realistic Pilot/Co-Pilot Seats and Graphics Panel

3-year WARRANTY

**CASEVAC H-60 & CV-22 Simulators
include 3-year manufacturer
warranty from date of delivery**



CASEVAC SIMULATOR CV-22

The CV-22T simulator is used to increase efficiencies during the initial point of injury and tactical evacuations phase of care. This advanced simulator provides a variety of options that enhance the simulated battlefield at any location.

Features:

- Equipped with removable, Sensory Control Unit and NAR Simulation Instructor Tablet
- Allows each unit to configure to Standard Operating Procedures
- Cabin height, width, and length to realistic sizes
- Day or night operations
- Treatment platform for CASEVAC training
- Used as a CV-22 crash site
- Black out during daytime operations
- Realistic crew securing landmarks
- Patients can be properly secured on floor
- Reinforced floor rings

Specs & Dimensions:

- A mobile (DOT licensed) trailer that replicates characteristics of CV-22 aircraft
- Tandem Axle design
- Maximum Weight is 14,000 lbs
- Trailer length 35' 7"
- Trailer width 8' 9"
- Trailer height 9' 3"
- Ramp opening trailer for on and off load of patients
- Ramp length will not exceed 7 feet
- Ramp width will not exceed 70 inches
- Interior: L 21 ft. x W 62 in. x H 72 in

Add'l Options Available:

- ICS Box (Includes 2 headsets and 15 ft. PTT cables)
- Add'l Headset (w/ 15 ft. PTT cable)
- Litter Stanchions (set of 2)
- Blackout Kit
- Crew Seats

CASEVAC CV-22

OPTION	ITEM #	NSN#
CV-22	93-0072	---
ICS Box	93-0299	---
Add'l Headset	93-1104	---
Litter Stanchions	93-0301	---
Blackout Kit	93-0378	---
Crew Seats	93-0379	---



LITTLE BIRD **MH-6**

The Little Bird is a portable (reusable), MH-6 size helicopter cabin simulator. It provides a realistic, multi-purpose, platform that accurately depicts real-life extrication situations and enhances medical training in crash scenarios.

The Little Bird, used in conjunction with the TOMManikin® and Sensory Control Unit (SCU), provides total integration between the simulated cabin and the environmental factors that can be applied to enhance any training scenario.

The front compartment features an entanglement trap for the TOMManikin (both pilot and co-pilot). Little Bird has "extractable" doors, providing a realistic obstacle to emergency extractions. To add a sense of stress and the element of surprise to the care-under-fire and extraction experience, the portable NAR Simulation Sensory Control Unit (SCU) applies environmental distractions to a training scenario. Remotely controlled via an included NAR Simulation Instructor Tablet, training cadre can introduce and vary the intensity of noise and smoke (fogger).

Features:

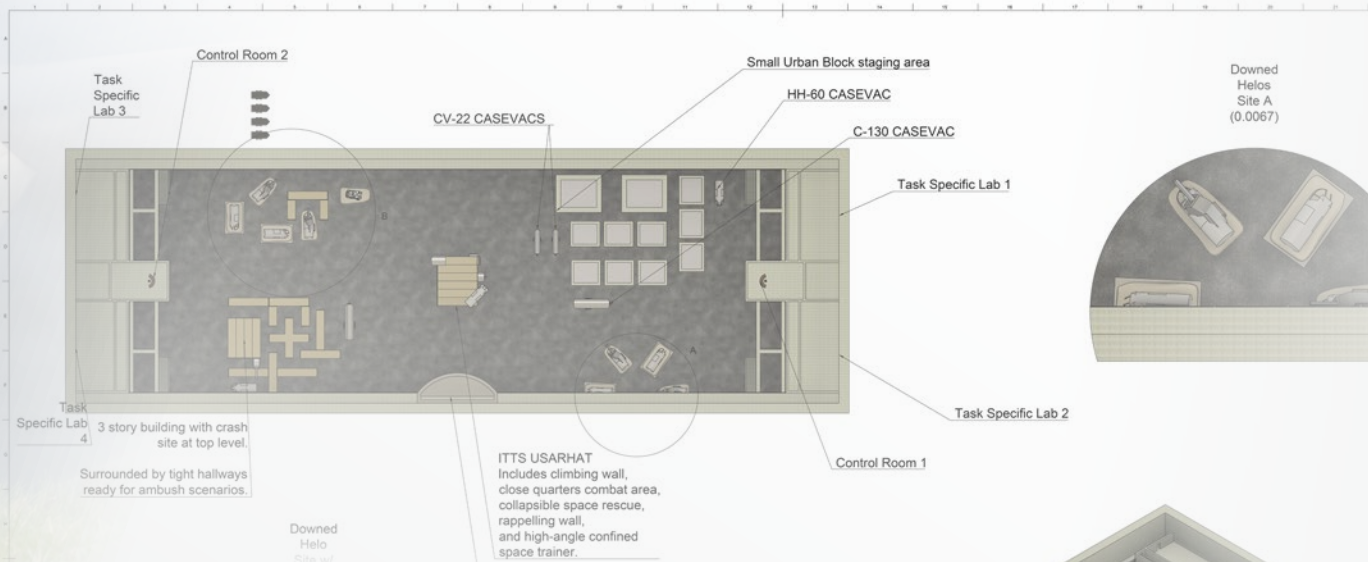
- Realistic crew securing landmarks, allowing securing of patients
- Reinforced Rings
- Internal fuel tank
- Day or night operations
- High-powered amplifier and speakers to simulate aircraft noise
- High-powered fans simulate rotor wash
- Aircraft lighting (white, green/ blue)
- Sensory Control Unit included
- All functions are controlled via a NAR Simulation Instructor Tablet (included)
- Submersible version available for aquatic environments

Dimensions:

L 12 ft. x H 7 ft. x W 6 ft. | Weight: 700 Lbs.

MH-6 LITTLE BIRD TRAINING SIMULATOR

OPTION	ITEM #	NSN#
MH-6	93-0295	---



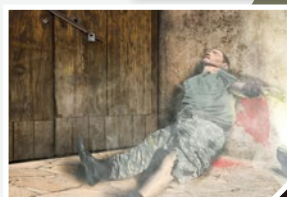
SIMULATION CENTER

NAR Simulation specializes in working closely with customers who have unique training and simulation training center requirements. We engineer custom, scalable, experiential learning environments from concept design through installation and on-site training.

Simultaneous integration of multiple NAR Simulation products and devices create environmentally realistic scenario settings. From care in the streets/POI care, mass-casualty triage, prolonged field care and complex medical/surgical case management, our solutions provide the capability to train personnel in a safe, reproducible environment.

Simulation Center Features:*

- Portable, reusable training systems that enhance the realism of combat medical training without heavy demand on personnel.
- Enhances stress inoculation capabilities while training personnel proper methods of administering medical aid to casualties from the interior of any structure, or within the parameters of a training exercise.
- Simultaneous control of all NAR Simulation devices from a single control point.
- Welded Steel Frames
- Numerous options available for faux wall styles (Wood, Brick, Stone, etc.)
- Multiple cameras to capture student performance
- Video playback software with bookmarking and annotation features



*Simulation centers are custom built. Options vary depending on customer's unique needs and budget. Contact NAR Simulation for more information.



10 PK - TOMManikin®

BLEEDING NECK SKINS

- Features embedded blood channels that simulate bleeding with tissue dissection.
- 70 operative sites within each ten pack.
- Works with Cric in a Box™ Simulator



TOMMANIKIN® BLEEDING NECK SKINS - 10 PK

ITEM

93-0102

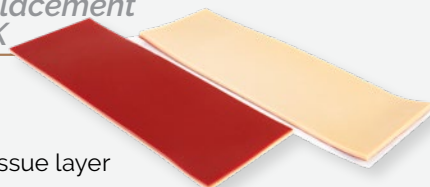
SPECIFICATIONS

Packaged - H 10 in. x W 6 in. x L 12 in.
Weight: 5 lbs

NON-BLEED

TOMManikin® Replacement Neck Skins - 10 PK

- Features 100% skin tone silicone
- Dark red simulated tissue layer visible upon dissection.



TOMMANIKIN® REPLACEMENT NECK SKINS NON-BLEED - 10 PK

ITEM

93-0147

SPECIFICATIONS

Packaged - H 10 in. x W 6 in. x L 12 in.
Weight: 3 lbs 1.1 oz

TOMManikin® SIMULATOR RACK

- Durable, made of welded steel
- Can store up to three mannequins and litters (*sold separately*)
- Four locking casters included



TOMMANIKIN® SIMULATOR RACK

ITEM

93-0135

SPECIFICATIONS

Dimensions: H 36 in. x W 36 in. x D 26 in.
Weight: 150 lbs.

NEW EQUIPMENT TRAINING

TOMM	93-0076-S
OCONUS	93-0315-S

In person, hands-on training for your users. One day training conducted at your location by a NAR Simulation technician to guarantee equipment competency.

SIMULATED BLOOD CONCENTRATE *Non-Staining - 1 Gal.*



- Must be diluted
- 1 Gallon of concentrate yields 64 gallons of simulated blood
- Recommended mix ratio is 2:1; 2 ounces of concentrate to 1 gallon of water
- Non-staining formula

SPECIFICATIONS

Packaged - L 10 in. x H 16 in. x W 10 in.
Weight: 8 lbs

SIMULATED BLOOD CONCENTRATE NON-STAINING - 1 GAL

ITEM

93-0106

SIMULATOR BLOOD FILL TANK

- 2.5 gallon manually pressurized reservoir
- Designed to pump the simulated blood concentrate into North American Rescue Simulation training simulators.
- To be used with all TOMManikin®, TAMlikin®, and K-9 simulators



SPECIFICATIONS

Packaged - L 36 in. x W 18 in. x H 18 in.
Weight: 4 lbs

SIMULATOR BLOOD FILL TANK

ITEM

93-0183



BREAKAWAY MEDICAL SIMULATION UNIFORM SET OCP

- Breakaway Medical Simulation Uniform Set includes one shirt and one pair of pants
- Features multiple hook and loop closures, allowing the garment to breakaway without cutting for repeated use
- Fits TOMManikin® and TAMikin® Simulators (not included)
- One size - XL

BREAKAWAY MEDICAL SIMULATION UNIFORM

ITEM

93-1113

SPECIFICATIONS

Packaged:
L 16.5 in. x W 12 in. x D 3 in.
Weight: 1.6 lbs.



TOMManikin®

UNINJURED CHEST SKIN

- Needle decompression training skin
- No visible exterior wounds or injuries
- Compatible with all male TOMManikin® simulators
- Available in Light Tone or Deep Tone skin
- This consumable item can be ordered to be bilateral chest tube compatible

SPECIFICATIONS

Dimensions: L 20 in. x W 12 in. x D 6 in.
Weight: 9 lbs

TOMManikin®

UNINJURED CHEST SKIN

ITEM

93-0148

SIMULATOR BURN TORSO ADHESIVE - LG

Techline Trauma

- Represents approx. 5% total body surface area
- Features 1st, 2nd & 3rd degree burn areas
- Washable & reusable

SIMULATOR BURN TORSO ADHESIVE LARGE

ITEM

93-0396

SPECIFICATIONS

Packaged - L 6 in. x H 6 in. x W 6 in.
Wound Area: Approx. L 14.5 in. x W 10 in.
Weight: 2 lbs



NAR Simulation

SIMULATOR BATTERY 10 AMP

- High-output 10-AMP NiMH battery
- Compact & lightweight
- Approx. 6 hr. run-time
- TOMManikin® consumable



10 AMP SIM. BATTERY

OPTION	ITEM #
w/o Charger	93-0141
w/ Charger	93-0956
Charger Only	93-0144

SPECIFICATIONS

Battery Dimensions:
L 4 in. x H 6 in. x W 6 in.
Weight: 4.0 lbs

PORTABLE BLEED TRAY *Techline Trauma*

- Easily portable and reusable
- Features drain plug for easy emptying
- Patch repair kit included



PORTABLE BLEED TRAY ADHESIVE LARGE

ITEM

93-1022

SPECIFICATIONS

Packaged: L 10.25 in. x W 9 in. x D 0.5 in.
Weight: 0.83 lbs.



SHRAPNEL WOUND IN A BOX SIMULATOR

Techline Trauma

- Simulates a soft tissue wound with fractured, hard bone for instruction in proper wound packing technique
- Easily transportable, yet rugged enough for classroom and field use
- Patented SOFTTECH® & ROCKTECH® materials give this product a realistic feel, while still being durable and UV resistant
- Simulator comes in its own storage case

Shrapnel Wound in a Box

SPECIFICATIONS

Dimensions:
L 6.69 in. x W 4.63 in. x D 3.88 in.
Weight: 2 lbs 9.5 oz



ITEM #	NSN #
93-0240	----

Explore more Wounds In A Box®, wearable wound simulators, and more from Techline Trauma at NARescue.com

GUNSHOT WOUND IN A BOX SIMULATOR - GSW

Techline Trauma

- Simulates a gunshot to soft tissue for instruction in proper wound packing technique
- Easily transportable, yet rugged enough for classroom and field use
- Patented SOFTTECH® materials give this product a realistic feel, while still being durable and UV resistant
- Simulator comes in its own storage case



SPECIFICATIONS

Dimensions:
L 6.69 in. x W 4.63 in. x D 3.88 in.
Weight: 2 lbs 11 oz



GSW in a Box

ITEM #	NSN #
93-0238	----

BLOOD SUPPLY PUMP

Techline Trauma

- Compatible with any bleeding wearable wound simulators, Wounds in a Box™ task trainers, or part task trainers
- Allows operator to stop blood flow when proper medical intervention has been taken
- 2 liter hydration reservoir bag with screw top opening.
- Hand-bulb pump with check valve to prevent open flow.
- 30 inches of blood flow tubing with standard female connector.



SPECIFICATIONS

Packaged Dimensions:
L 15 in. x W 7 in.
Tube Length: 30 in.
Capacity: 2L
Weight: 0.63 lbs. lbs.

Manual Blood Supply Pump

ITEM #	NSN #
93-1024	----

BLEEDING INTERVENTION TRAINER

Bleeding Int.

ITEM #	Option
93-1116	Laceration
93-1117	GSW
93-1118	Shrapnel
93-1119	GSW/LAC



- Easily transportable, yet rugged enough for classroom and field use
- Set up / Break down in less than a minute
- Highly Adaptive Bleeding Control
- Focused Hemorrhage Control Training
- Patented materials give this product a realistic feel, while still being durable and UV resistant

SPECIFICATIONS

Package: L 18.5 in. x W 14.06 in. x D 6.93 in. (47 cm. x 35.7 cm. x 17.6 cm.)
Weight: 14 lbs.



RIBS/NOSE IN A BOX

Techline Trauma



- Ribs in a box designed for training in Needle Decompression of a Tension Pneumothorax
- Nose in a Box allows for demonstration and practice of OPA and NPA insertion and training for the administration of Naloxone
- Easily transportable, yet rugged enough for classroom and field use
- Patented materials give this product a realistic feel, while still being durable and UV resistant

Ribs in a Box

ITEM #	NSN #
93-0974	----

Nose in a Box

ITEM #	NSN #
93-1021	----

SPECIFICATIONS

Dimensions:
L 6.69 in. x W 4.63 in. x D 3.88 in.
Weight: *Nose* - 3 lbs. | *Ribs* - 1.99 lbs.

IO IN A BOX SIMULATOR

Techline Trauma

- Easily transportable, yet rugged enough for classroom and field use
- Patented materials give this product a realistic feel, while still being durable and UV resistant
- Simulator comes in its own storage case
- Replacement landmark/target panels are included
- Add'l bone inserts available (93-1023)



IO in a Box

ITEM #	NSN #
93-0241	----

SPECIFICATIONS

Dimensions:
L 6.69 in. x W 4.63 in. x D 3.88 in.
Weight: 1.19 lbs.

NIBP CUFF SIMULATOR



- Allows medical responders to gather vital signs without instructor intervention.
- Various modes of operation via onboard controls
- Includes systolic & diastolic pressures (mmHG) and heart rate on display
- Does NOT include NAR Simulation Instructor tablet
- NAR-S Capnograph (93-0265) and NAR-S Pulse Oximeter (93-0266) also available at www.NARescue.com

NIBP Cuff

ITEM #	NSN #
93-0264	----

SPECIFICATIONS

Dimensions:
Case - L 11.63 in. x W 9.69 in. x D 4.81 in.
Product - L 11 in. x W 3.63 in. x D 1.88 in.
Weight: 3 lbs 7.5 oz

CRIC IN A BOX SIMULATOR

Techline Trauma

- Easily transportable, yet rugged enough for classroom and field use
- Patented materials give this product a realistic feel, while still being durable and UV resistant
- Simulator comes in its own storage case
- 5 non-bleeding neck skins and 25 membranes are included



SPECIFICATIONS

Dimensions:
L 9.13 in. x W 5.88 in. x D 4.56 in.
Weight: 3 lbs. 3.9 oz.

Cric in a Box

ITEM #	NSN #
93-9066	----



TCCC SKILLS SYSTEM

All Combatant

- All the necessary tactical medical and casualty extraction/evacuation equipment needed when teaching the TCCC – All Combatant Skills required tasks for completing the Tactical Combat Casualty Care (TCCC) course
- A turnkey solution for training centers and educational institutions designed to equip up to twenty-five (25) students
- Complete system consists of three self-contained Hard Storage Case modules: **Skill Stations | IFAKS | Evacuation**

SPECIFICATIONS

Hard Storage Case:

External – L 32.5 in. x W 21 in. x D 13 in.

Internal – L 29 in. x W 18 in. x D 10 in.

Weights: TCCC Skills Set: 55 lb

TCCC IFAK Skills Set: 70 lb

TCCC Evacuation Skills Set: 50 lb

TCCC SKILLS SYSTEM

UNIT	ITEM #
TCCC Skills set	80-0968
TCCC IFAK Skills Set	80-0969
TCCC IFAK Skills Kit	85-1958
TCCC IFAK Resupply*	80-1028
TCCC Evac Skills Set	80-0971
3 Modules	80-0970

TCCC SKILLS SET

All Combatant

Train up to twenty-five (25) students at individual skill stations in the treatment of:

- Extremity hemorrhage
- Wound packing
- Chest seal application
- Needle chest decompression
- Basic airway adjuncts
- Splinting
- Hypothermia prevention & management
- Eye injuries



TCCC IFAK SKILLS SET

All Combatant

- Hard case packed with Twenty-five (25) pre-packed Training IFAKs for use during trauma lanes or training scenarios

* TCCC IFAK Resupply Kit contains all components of the IFAK Skills Kit, excluding the Nylon Bag



IFAK KIT SPECIFICATIONS

H 7 in. x W 4.5 in. x D 2.75 in.

Weight: 2 lb 8 oz



QTY 25 TCCC IFAK Skills Kit

TCCC SKILLS SET & IFAK SKILLS SET MODULES:



QTY 25 C-A-T® Tourniquet, Trainer



QTY 25 NAR ETD® 6 in. Flat



QTY 25 Gauze S-Rolled



QTY 25 Combat Gauze® Trainer



QTY 10 NAR® Naso w/ Lube, 28F



QTY 12 HyFin® Trainer, Twin Pk



QTY 10 ARS® Needle, 14G



PAIR 25 Nitrile Gloves, Lg



QTY 5 Permanent Marker, Large



QTY 25 Combat Casualty Card



QTY 6 Surgical Tape 2"



QTY 1 HPMK®



QTY 6 Triangular Bandage



QTY 6 SAM® Splint II



QTY 10 PES Eye Shield



QTY 2 Sharps Shuttle

Not included in IFAK skills Kits

◀ TCCC IFAK Kits Contain qty 1 ea. of the TCCC Skills Set components



TCCC EVACUATION SKILLS SET

- Various high threat extraction devices and casualty evacuation systems to train students in different options to move casualties during the all three TCCC Phases of Care
- Packaged in a self-contained, wheeled, rigid case that allows for easy transport and storage

TCCC EVACUATION SKILL SET MODULE:



TCCC CLS KIT SKILLS SET

- Contains pre-packed 5 CLS kits for use by students during trauma lanes or training scenarios
- Each CLS Kit contains the necessary equipment for initial TCCC – CLS care in the standard Army CLS bag with the standard Army CLS packing list
- Individual kits come packed in Squad Responder Bag - Multicam: NAR's alternative to the US Army Combat Lifesaver Bag



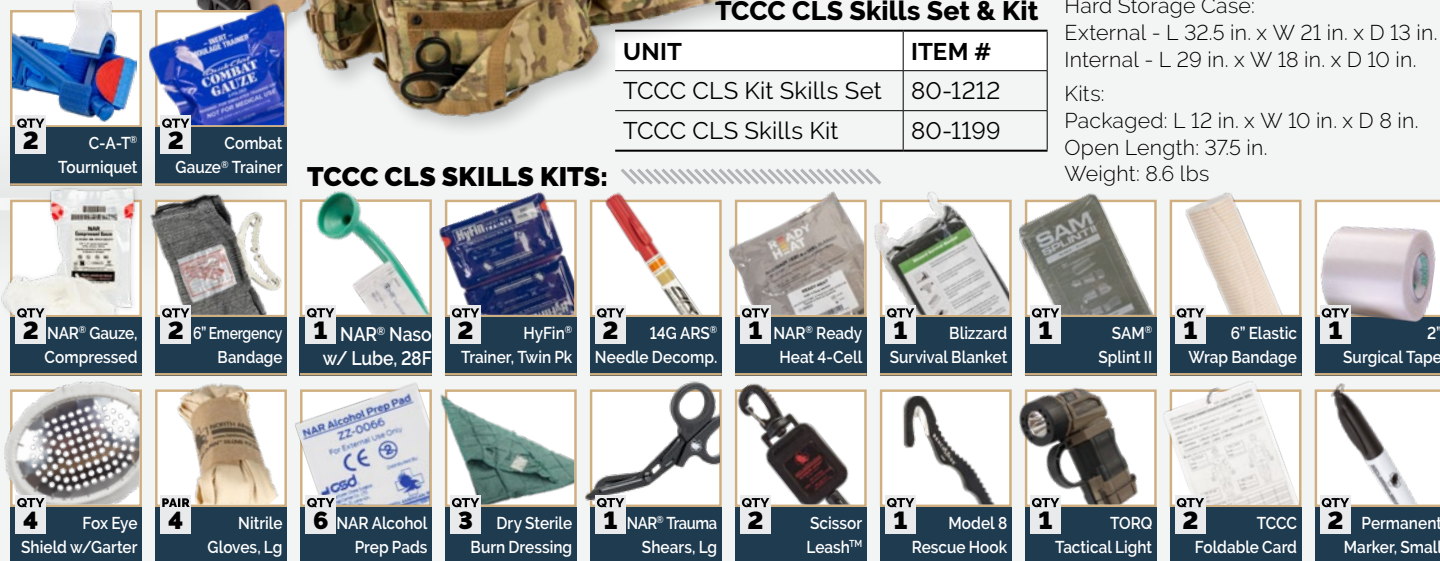
TCCC CLS Skills Set & Kit

UNIT	ITEM #
TCCC CLS Kit Skills Set	80-1212
TCCC CLS Skills Kit	80-1199

SPECIFICATIONS

Hard Storage Case:
 External - L 32.5 in. x W 21 in. x D 13 in.
 Internal - L 29 in. x W 18 in. x D 10 in.
 Kits:
 Packaged: L 12 in. x W 10 in. x D 8 in.
 Open Length: 37.5 in.
 Weight: 8.6 lbs

TCCC CLS SKILLS KITS:



TOMMANIKIN®	
93-0035	Basic TOMMANIKIN®
93-0040	GSW TOMMANIKIN®
93-0369	GSW TOMMANIKIN® w/ Leg Amputation
93-0036	Blast TOMMANIKIN®
93-0037	Burn TOMMANIKIN®
93-0039	GSW TAMikin® (Female)
93-0381	GSW TAMikin® (Female) w/ Leg Amputation
93-0041	Water TOMMANIKIN® Basic
93-0038	CBRN TOMMANIKIN®
TOMMANIKIN® Limbs & Skins	
93-0148	Uninjured Chest Skin
93-0149	GSW Chest Skin
93-0150	Evisceration Chest Skin
93-0151	Pelvic Pants
93-0081	TOMM GSW Groin Skin
93-9071	TOMM Foley shorts
93-0152	Uninjured Arm (Rt)
93-0083	Complete Arm Amp (Rt)
93-0084	Partial Arm Amp (Rt)
93-0085	Shrapnel Arm (Rt)
93-0086	Burn Arm (Rt)
93-0087	Closed Fracture Arm (Rt)
93-0088	Uninjured arm (Lt)
93-0089	Complete Arm Amp (Lt)
93-0090	Partial Arm Amp (Lt)
93-0091	Shrapnel Arm (Lt)
93-0092	Burn Arm (Lt)
93-0093	Closed Fracture Arm (Lt)
93-0094	Leg - Uninjured (Rt)
93-0095	Complete Leg Amp (Rt)
93-0096	Partial Amp Leg (Rt)
93-0097	GSW Leg (Rt)
93-0098	Leg - Uninjured (Lt)
93-0099	Complete Leg Amp (Lt)
93-0100	Partial Amp Leg (Lt)
93-0101	GSW Leg (Lt)
93-0404	TAMI Articulating Uninjured Head Skin
93-0156	TAMI GSW Chest Skin
93-0157	TAMI GSW Pelvic Shorts
93-0158	TAMI Uninjured Pelvic Shorts
93-0352	Tibial IO Leg (Lt)
93-0353	Tibial IO Skin Plug
93-0354	Tibial IO Bone Insert
93-0405	TAMI Open Jaw Fracture Head Skin
93-0407	TOMM Open Jaw Fracture Head Skin
93-0408	TOMM Burn Face

TOMManikin®

INDIVIDUAL TOMMANIKIN® COMPONENTS | ITEM NUMBERS

Various skin tones available. Contact Customer Service to order.

Wearable Wounds for TOMM	
93-0203	Thigh laceration
93-0204	GSW through hand (Rt)
93-0205	Impaled object
93-0208	Broken jaw with laceration
93-0210	Compound fracture
93-0212	GSW leg
93-0215	Neck wound
93-0223	GSW through hand (Lt)
93-0229	Multiple GSW abdomen
93-0080	Abdominal evisceration (packable)
93-0235	GSW bicep
93-0236	GSW clavicle (Rt)
93-0396	Simulator Burn Torso

TOMMANIKIN® Adhesive Wounds (Reusable)	
93-0187	Complete Sticky Wound Kit
93-0188	GSW Sticky Wound Kit
93-0189	GS Entry Wound; Small
93-0190	GS Entry Wound; Large
93-0191	GS Exit Wound; Medium
93-0192	GS Exit Wound; Large
93-0193	Laceration Stick Wound Kit
93-0194	Laceration; Medium
93-0195	Laceration; Large
93-0196	Burn Sticky Wound Kit
93-0197	Burn; 2nd Degree
93-0198	Electrical Burn; Medium
93-0199	Chemical Burn; Medium
93-0200	Thermal Burn; Medium
93-0201	Electrical Burn; Large
93-0202	Thermal Burn; Large

Wound-in-a-Box® Simulators	
Get info at NARescue.com	

TOMMANIKIN® Consumables & Replacement Parts	
93-0102	Bleeding Neck Skins (10 pack)
93-0106	1 Gallon concentrated blood simulant; non-staining
93-0139	5 AMP battery w/o charger
93-0141	10 AMP battery w/o charger
93-0956	10 AMP battery w/charger
93-0144	NAR Simulation Smart Charger
93-0147	Non-Bleeding Neck Skins (10 pack)
93-0159	Spare Connectors, TOMM/TAMI
93-0169	Tension Bladder Set
93-0175	Lung Bladder Set
93-0178	IO Humeral Ball Replacement
93-0183	Simulator Blood Fill Tank
93-0185	Bleeding Bag
93-0186	Silicone Repair Kit
93-0264	NIBP Cuff Simulator

TOMMANIKIN® ACCESSORIES	
93-0122	Tablet for NAR Simulation
93-1113	Breakaway Uniform - BERRY
93-0131	Wheeled Soft Carrying Case
93-0135	TOMMANIKIN® Rack (3 shelf)



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Simulation

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