



TACMED
SIMULATION
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MATTi™



FEMALE: MODULAR ADVANCED TREATMENT TRAINER

CREATED SPECIFICALLY TO ALLOW TRAINING FOR CASUALTY AND CRITICAL CARE SCENARIOS ON FEMALE PATIENTS

PRODUCT SPECIFICATIONS

WBS-MATTI-BLAST-FMM-1

CONTRACT VEHICLES

COLORS		 LIGHT	 DARK
DIMENSIONS	LENGTH	WIDTH	WAIST
	5 ft 10 in 177.8 cm	28 in 71.12cm	45in 114.3cm
WEIGHT		FULL - 158lbs	EMPTY - 150lbs
POWER SUPPLY 3 18V LI-ION Batteries		BLOOD RESERVOIR 2 Liters	
CASE DIMENSIONS (2)		51"x26"x12" 129.5cm x 66cm x 30.5cm	

GSA	GS-07F-063DA
DLA ECAT	SPE2DH-18-D-0008
NATO Logistics Stock Exchange	LB-KGS-01N



ALL TACMED SIMULATION™ PRODUCTS ARE HANDCRAFTED IN THE USA

MODULAR TO MEET EVERY PHASE OF CASUALTY AND CRITICAL CARE

The **TacMed Simulation™ MATTi™** is a whole-body female medical simulator with fully-interchangeable limb configurations. Built-in technology allows **MATTi™** to automatically detect which specific wounds and features are attached.

MATTi™ is engineered to be a durable, rugged, and extremely effective multi-purpose training tool that can operate in any environment or weather condition. **MATTi™** is tough enough to withstand casualty evacuation procedures, with the ability to be dragged by an individual limb. Learners will experience realistic training scenarios at the point-of-injury and throughout the continuum of care by performing critical life-saving tasks that follow the MARCH algorithm, including treating for compressible and non-compressible massive hemorrhage, opening and maintaining an airway, needle decompression, cricothyroidotomy, CPR, intraosseous (I/O) and intravenous (IV) infusion, and chest tube insertion.

MATTi™ is outfitted with an array of internal sensors, providing trackable real-time vitals and performance data to the instructor via the Remote Control tablet.



KEY FEATURES

- Modular limbs. Auto detects what limb and wound configuration is attached
- Remote Control tablet with long range – up to 180 yards outdoor LOS – and multiple sensors providing real-time feedback with After Action Reporting
- On-board physiology model; vital signs change based on blood loss, oxygen loss, or medical interventions
- Amputation and gunshot wounds on limbs with arterial bleeding and anatomically correct artery locations for bleeding control via tourniquets or direct pressure
- Packable wound at inguinal crease with pulsed arterial bleeding requiring packing and maintained pressure to stop bleeding
- CPR compliant; rate and depth captured via sensors and tracked on the Remote Control tablet
- Simulated breathing with left or right independent chest rise and fall to display pneumothorax. Breath rates from 0-60 BPM
- Needle decompression sites with air release and partial recovery; uses full size 3.25" 14 gauge needles
- Carotid, radial, and pedal pulses. Rates 20-200 bpm
- Full nasal passageways with sensors for detection of proper NPA placement. Remote controlled nasal blockage to cue for alternative treatment
- Flexible jaw with internal tracheal landmarks. Can perform jaw thrust/chin lift maneuver as well as BURP maneuver
- Fully intubatable with airway sensors to determine location of ET tube during bagging. BVM compatible to show rise fall of chest with gastric rise if intubated in the esophagus
- Simulated cricothyroidotomy with larynx and replaceable skin plugs. Remote controlled optional difficult airway to cue surgical cric
- Nasogastric tube placement with sensor
- Bilateral chest tube insertion sites with sensors to detect proper placement
- 3 position rotating eyes with manually closable eyelids. Displays a normal, dilated, or constricted pupil
- IV training site with flash cue on non-injured arm configurations
- Rugged and durable construction - designed for in-the-field training in any weather condition
- Realistic size, weight, and feel. Full range-of-motion joints, including neck, shoulders, elbows, hips, and knees. Can be put in a sitting position
- 2-way communication audio system allows trainer to speak and hear through the simulator
- ACLS training with programmed megacodes and AAR data/scorecard
- Foley catheter placement with urine output
- Bubbling sucking chest wound