



TRUECLOT[®]

UNPRECEDENTED REALISM FOR ALL
LEVELS OF BLEEDING CONTROL TRAINING



TRUECLOT® BLEEDING CONTROL TRAINING PRODUCTS

TrueClot® Bleeding Control Training Products provide unprecedented and low-cost realism for all levels of training from beginner civilian Stop The Bleed® courses to more advanced Tactical Emergency and Combat Casualty Care (TECC and TCCC) for professional first responders, combat medics, and corpsmen; as well as Prehospital Trauma Life Support (PHTLS) and First on the Scene (FOTS).

DEVELOPED IN THE LAB BASED ON FEEDBACK FROM THE FIELD

TrueClot® Blood Simulant was developed with funding from the Office of the Secretary of Defense to provide cost effective & realistic bleeding control training for combat medics and corpsmen. This new blood simulant needed to look and feel lifelike while mimicking dynamic clotting in the presence of simulated hemostatic dressings.



THE RESULT



TrueClot® Blood Simulant – the only blood simulant with realistic, active clotting.

To complement this ground-breaking new blood simulant, we developed **TrueClot® Wound Packing Task Trainers** and **Tourniquet Application Trainers**.

Input from EMS and military first responders inspired training tools that are realistic, affordable, and easy to use in trauma training environments.

Now used to train EMS personnel, military first responders, and civilians across the globe, this suite of training products ensures the readiness of medical professionals to deliver lifesaving bleeding control.

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BASIC PACKING TRAINERS (BPT)

The TrueClot® Basic Packing Trainer (BPT) is a low cost, introductory level dry wound packing task trainer. The small form factor is ideal for developing wound packing muscle memory during tabletop classroom use, Stop The Bleed® courses and in-service training.

FEATURES:

- No mess, dry wound trainer for teaching wound packing techniques
- Large caliber gunshot exit wound, holds up to 12 feet of gauze
- Can be filled with TrueClot® simulated blood for more realistic packing
- Small form factor for tabletop use and easy storage
- Durable silicone construction
- Designed to adhere to table surface for non-slip use
- Easy to clean with water
- Available in Dark and Light skin tones

DIMENSIONS:

Base Diameter: 4" (10.1 cm)

Diameter: 3" (7.6 cm)

Height: 2" (5cm)

Wound Depth: 1.5" (3.8 cm)

Weight: 9 oz (255g)



Item # 5164



***NOTE:** Add "L" for Light Skin and "D" for Dark Skin tone.

BASIC PACKING TRAINERS - LACERATION (BPT LAC)

The TrueClot® Basic Packing Trainer Laceration (BPT LAC) is a low cost, introductory level dry wound packing task trainer. The small form factor is ideal for developing wound packing muscle memory during tabletop classroom use, Stop The Bleed® courses and in-service training.

FEATURES:

- No mess, dry wound trainer for teaching wound packing techniques
- Deep laceration wound, holds up to 12 feet of gauze
- Can be filled with TrueClot® simulated blood for more realistic packing
- Small form factor for tabletop use and easy storage
- Durable silicone construction
- Designed to adhere to table surface for non-slip use
- Easy to clean with water
- Available in Dark and Light skin tones

DIMENSIONS:

Base Diameter: 4" (10.1 cm)

Diameter: 3" (7.6 cm)

Height: 2" (5cm)

Wound Depth: 1.5" (3.8 cm)

Weight: 9 oz (255g)



Item # 5167



***NOTE:** Add "L" for Light Skin and "D" for Dark Skin tone.

WOUND PACKING TASK TRAINERS

TrueClot® Wound Packing Task Trainers are realistic, low-cost and repetitive training props for wound packing and the use of advanced hemostatic gauzes. The task trainers have realistic outer anatomy and wound beds. When used with TrueClot® Blood Simulant and Simulated Hemostatic Gauze, realistic simulated blood clots will form.

FEATURES:

- Two wound types available:
 - Gunshot wound with large cavitation, simulated bone fragment and hidden bleed point
 - Laceration with narrow wound channel and visible bleed point
- Durable silicone construction for extended training life
- Easy to clean with water and air dry
- Available in Dark and Light skin tones

INCLUDES:

- 1 Laceration or GSW Task Trainer
- 5 packs of 4 ft Simulated Hemostatic Gauze, 1 liter packet of TrueClot® Blood Simulant Concentrate, squeeze bottle and spare one-way valve

DIMENSIONS:

Wound Model: 7.25" x 6" x 2.75" (18.4 x 15.2 x 7 cm)

Wound Depth: 2.25" (5.7 cm)

All Contents: 10" x 15" x 5" (25.4 x 35.6 x 12.7 cm) - 3.5 lbs (1.6 kg)

Liquid Capacity: 33.8 ounces (1 Liter)



Item # 5152:
Laceration/stab wound

Item # 5160:
Gunshot wound with bone

***NOTE:** Add "L" for Light Skin and "D" for Dark Skin tone.



PACKING, COMPRESSION, AND TOURNIQUET TASK TRAINER (PCT3)

The TrueClot® PCT3 is a low cost, durable task trainer that is ideal for introducing and repetitively reinforcing wound packing, compression, and tourniquet application for hemorrhage control and trauma training.

FEATURES:

- Fully wrap packed wounds with compression bandages
- Gunshot wound and laceration injury models with boney landmark
- Upper thigh area located 2 - 3 inches above wound models allows for proper tourniquet placement
- Anatomical knee landmark illustrates improper tourniquet placement over a joint
- Durable, stain resistant silicone construction
- Dry or wet wound packing training, cleans up with water
- Available in Dark and Light skin tones

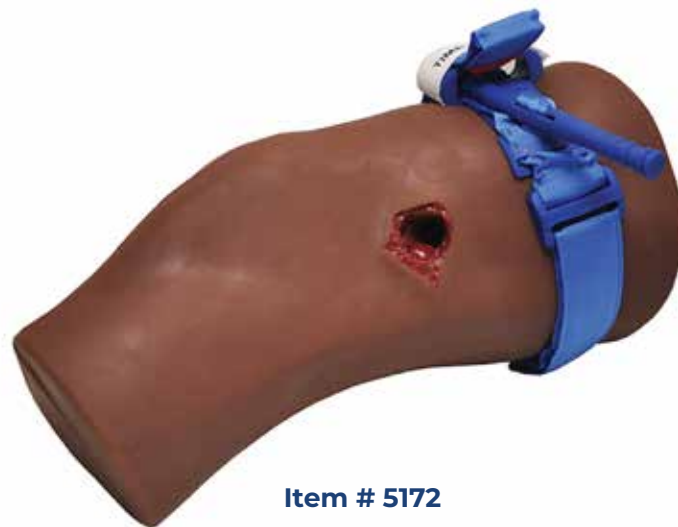
DIMENSIONS:

Length: 13" (33 cm)

Thigh Diameter: 7" (18 cm)

Calf Diameter: 4.5" (11.5 cm)

Weight: 6.2 lbs (2.8 kg)



Item # 5172



***NOTE:** Add "L" for Light Skin and "D" for Dark Skin tone.

TOURNIQUET APPLICATION TRAINER (TAT)

The TrueClot® Tourniquet Application Trainer is a wearable prop that allows full application of a tourniquet for training purposes. Simulated blood is pumped through the device to simulate hemorrhage. When a tourniquet is properly applied bleeding is stopped. The padded arm cuff reduces pinching and pain during classroom or scenario training.

FEATURES:

- Wearable, actively bleeding wound with simulated vessel (can be worn by an actor or placed on a mankin)
- Must apply a tourniquet correctly and at full force to stop bleeding
- Apply tourniquet high and tight or 2 - 3 inches above the wound
- Heavy duty padding to reduce pain
- Compatible with windlass, ratchet and other twisting-style tourniquets
- Durable ballistic nylon construction
- Easy to clean with water and air dry
- Available in Dark and Light skin tones

**Tourniquet Not Included*

DIMENSIONS:

Length: 13" (33 cm)

Circumference at Biceps: 19" (48.2 cm)

Kit in Case: 11" x 13.5" x 5.2" (28 x 34.3 x 13.2 cm)
3.2 lbs (1.5 kg)

Liquid Capacity: 33.8 oz (1 liter)



Item # 5171

NSN: 6910-01-697-8286

***NOTE:** Add "L" for Light Skin and "D" for Dark Skin tone.



BLOOD SIMULANT CONCENTRATE

When diluted in water, TrueClot® Blood Simulant Concentrate will create a highly realistic simulated blood for use in traumatic bleeding control, wound packing and advanced hemostatic dressings training. The simulated blood will form realistic simulated blood clots when used with TrueClot® Simulated Hemostatic Gauze or TrueClot® Clotting Solution.

FEATURES:

- Small form factor, dilute with water when ready to use
- Forms highly realistic, simulated blood clots when mixed with TrueClot® Clotting Solution or Simulated Hemostatic Gauze
- Washes off of skin with soap and water (for best washability use bar soap)
- Washes out of clothing with household laundering
- 5 year shelf life
- Available in 1 gallon (3.8 L) and 4 x 1 liter sizes

DIMENSIONS:

- 1 Gallon (3.8 L) packet
Item # 5115
Dims/Weights: 6" x 9" x 1.5" (15.2 x 22.3 x 3.8 cm)
0.4 lbs (190 g)
- 4 x 1 L Packets
Item # 5117
NSN: 6910-01-727-9867
Dims/Weights: 6" x 9" x 1.5" (15.2 x 22.3 x 3.8 cm)
0.5 lbs (225 g)



Item # 5115:
1 Gallon (3.8 L) packet



Item # 5117:
4 x 1 L packets



BLOOD SIMULANT PRE-MIX & CLOTTING SOLUTION

TrueClot® Blood Simulant is a highly realistic simulated blood for training first responders in traumatic bleeding control, wound packing and the use of advanced hemostatic dressings. TrueClot® Blood Simulant will form realistic simulated blood clots or avulsed tissue for use in moulage, bleeding control, trauma or surgical training when combined with TrueClot® Clotting Solution or TrueClot® Simulated Hemostatic Gauze.

FEATURES:

- Forms highly realistic, simulated blood clots when mixed with TrueClot® Clotting Solution or Simulated Hemostatic Gauze
- Washes off of skin with soap & water (best with bar soap)
- Washes out of clothing with household laundering
- 3 year shelf life
- BS available in 1 gallon (3.8 L) and half gallon (1.9 L) volumes
- CS in powdered form (only outside of N. America) user adds distilled water
- Kinematic Viscosity: 10-17 cSt at room temperature (human whole blood: 5-6 cSt)

DIMENSIONS:

- Blood Simulant Gallon
Item # 5112
NSN: 6910-01-694-8337
Dims/Weights: 6.1" diameter x 11.6" tall
9 lbs (15.5 x 29.5 cm - 4.1 kg)
- Clotting Solution
Item # 5132
16.9 oz (500 ml)
Dims/Weights: 6" x 11.5" x 3" (15.2 x 29.2 x 7.6 cm)
1.25 lbs (567 g)
- Clotting Solution Powder
Item # 5133
Dims/Weights: 6" x 6" x 0.25" (15.2 x 15.2 x 0.6 cm)
1.3 oz (36 g) Makes 500 ml solution



Item # 5112:
1 Gallon (3.8 L)



Item # 5132:
Solution



Item # 5133:
Powder
(Available outside of N. America only)



SIMULATED HEMOSTATIC GAUZE

TrueClot® Simulated Hemostatic Gauze works with TrueClot® Blood Simulant to form realistic simulated blood clots during wound packing training. Gauze strips are 3 inches wide and available in Z-folded versions. The gauze is pre-treated to work with TrueClot® Blood Simulant to dynamically create simulated clots. Available in multiple sizes.

FEATURES:

- Mimics commercially available hemostatic gauze for realistic training
- Pre-treated to dynamically form simulated blood clots when used with TrueClot® Blood Simulant
- Available in 4 ft (1.2 m) and 12 ft (3.7 m) lengths
- All gauze is 3 in (7.5 cm) wide
- Packaged individually or in bulk packs

DIMENSIONS:

- 12' x 3" 3-pack Z-folded
Item # 5123
NSN: 6910-01-694-8344
Dims/Weights: 6" x 10" x 1.75" (15.2 x 25.4 x 4.4 cm)
1.8 oz (51 g)
- 4' x 3" single pack Z-folded
Item # 5124
NSN: 6910-01-709-1477
Dims/Weights: 5" x 5" x 0.125" (12.7 x 12.7 x 0.32 cm)
0.25 oz (7 g)
- 4' x 3" 96 pcs. bulk pack Z-folded
Item # 5125
NSN: 6510-01-723-7195
Dims/Weights: 13" x 15" x 3.25" (33 x 38.1 x 8.2 cm)
15 oz (430 g)
- 12' x 3" 48 pcs. bulk pack Z-folded
Item # 5158
Dims/Weights: 13" x 15" x 3.25" (33 x 38.1 x 8.2 cm)
21.5 oz (610 g)



Item # 5123



Item # 5124



Item # 5125

INGUINAL PACKING TRAINER (IPT)

The TrueClot® Inguinal Packing Trainer is a wearable training aid that simulates a junctional hemorrhage that cannot be treated with a tourniquet. The trainer can be placed on a manikin or worn by an actor for a higher level of realism to teach advanced wound packing skills.

FEATURES:

- Wearable, life-threatening wound simulating an inguinal hemorrhage untreatable with a standard tourniquet
- Fully packable with a 12 ft strip of simulated hemostatic dressing
- Compatible with junctional tourniquets (when used on a manikin)
- Durable ballistic nylon construction
- Easy to clean with water and air dry
- Available in Dark and Light skin tones

INCLUDES:

- 1L of TrueClot® Blood Simulant, 5 packs of gauze, and storage case

DIMENSIONS:

Wound Trainer: 10.5" x 5.25" (15.9 x 22.2 cm)

Wound Depth: 2.5" (6.4 cm)

Kit in Case: 11" x 13.5" x 5.2" (28 x 34.3 x 13.2 cm)
3.9 lbs (1.8 kg)

Liquid Capacity: 33.8 oz (1 liter)



Item # 5174

***NOTE:** Add "L" for Light Skin and "D" for Dark Skin tone.



HEMORRHAGE TRAINING KIT - LAC

TrueClot® Hemorrhage Control Training Kits provide everything needed to simulate proper wound packing techniques using hemostatic gauze. The TrueClot® Wound Packing Task Trainers are realistic, durable and low-cost training props. When used together, TrueClot® Blood Simulant and Simulated Hemostatic Gauze will form realistic simulated blood clots.

FEATURES:

- Laceration with narrow wound channel and visible bleed point
- Durable silicone construction for extended training life
- Easy to clean with water and air dry
- Available in Dark and Light skin tones

INCLUDES:

- Storage case, 9 packs of 12 ft Simulated Hemostatic Gauze (Z-fold), 4 x 1 liter packets of TrueClot® Blood Simulant Concentrate, squeeze bottle, mixing bottle and spare one-way valve

DIMENSIONS:

Wound Model: 7.25" x 6" x 2.75" (18.4 x 15.2 x 7 cm)

Wound Depth: 2.25" (5.7 cm)

Kit in Case: 11" x 13.5" x 5.2" (28 x 34.3 x 13.2 cm)
6 lbs (2.7kg)

Liquid Capacity: 33.8 oz (1 L)



Item # 5155:
LAC w/ Z-folded gauze

***NOTE:** Add "L" for Light Skin and "D" for Dark Skin tone.



HEMORRHAGE TRAINING KIT - GSW

TrueClot® Hemorrhage Control Training Kits provide everything needed to simulate proper wound packing techniques using hemostatic gauze. The TrueClot® Wound Packing Task Trainers are realistic, durable and low-cost training props. When used together, TrueClot® Blood Simulant and Simulated Hemostatic Gauze will form realistic simulated blood clots.

FEATURES:

- Gunshot wound with large cavitation, simulated bone fragment and hidden bleed point
- Durable silicone construction for extended training life
- Easy to clean with water and air dry
- Available in Dark and Light skin tones

INCLUDES:

- Storage case, 9 packs of 12 ft Simulated Hemostatic Gauze (Z-fold), 4 x 1 liter packets of TrueClot® Blood Simulant Concentrate, squeeze bottle, mixing bottle and spare one-way valve

DIMENSIONS:

Wound Model: 7.25" x 6" x 2.75" (18.4 x 15.2 x 7 cm)

Wound Depth: 2.25" (5.7 cm)

Kit in Case: 11" x 13.5" x 5.2" (28 x 34.3 x 13.2 cm)
6 lbs (2.7kg)

Liquid Capacity: 33.8 oz (1 L)



Item # 5161:

GSW w/ Z-folded gauze

NSN: 6910-01-694-8333

***NOTE:** Add "L" for Light Skin and "D" for Dark Skin tone.



CHEST SEAL APPLICATION TRAINER (CSAT)

The TrueClot® Chest Seal Application Trainer (CSAT) is both a tabletop and wearable scenario task trainer designed to teach chest seal application skills. Simulated wounds are used on the tabletop to demonstrate basic skills and worn on the vest to teach students to manage a patient while correctly placing a chest seal.

FEATURES:

- The first task trainer that can be used as both a tabletop AND wearable prop
- Simulated bubbling, breathing and chest seal venting/sealing
- Wearable entry and exit wounds with active bleeding for scenario training
- Durable simulated wounds and Velcro MOLLE vest
- Apply and reuse real chest seals for realistic training
- Easy to clean with water and air dry
- Available in Dark and Light skin tones

DIMENSIONS:

Wound Surface: 6.25" x 8.75" (15.9 x 22.2 cm)

Kit in Case: 11" x 13.5" x 5.2" (28 x 34.3 x 13.2 cm)
5.2 lbs (2.4 kg)

Liquid Capacity: 33.8 oz (1 liter)



Item # 5214

***NOTE:** Add "L" for Light Skin and "D" for Dark Skin tone.



TRUECLOT® BULK TRAINING KITS



Bleeding Control Training Kit – BASIC

Item Number: TRN-89B

Kit Contains:

	QTY/KIT
TRUECLOT® PCT3 Leg Trainer	2
Combat Application Tourniquet Trainer, Blue	2
Sam XT Tourniquet- Training Blue	2
SOF Tourniquet, Blue	2
Forward Cotton Gauze Slim Z-Fold	10
Forward Trauma Compression Dressing Rolled 4"	5
Bandage/Trauma Shears, 7.5" Black	3
Box of Gloves	1
FAST Stretcher / Litter	1
Durable Re-usable Bin (Training Blue) 19.8" x 13.8" x 11.8"	1



XSTAT Training Facilitator Kit – SMALL

Item Number: TRN-99S

Kit Contains:

	QTY/KIT
XSTAT 30/P30 Training Applicators	2
XSTAT 12 Training Applicators	3
XSTAT Training Sponges Blue, Pk/1000	1
XSTAT Training Applicator Refill Tools	1
XSTAT Training Pouches	9
TRUECLOT® PCT3 Leg Trainer	1
TRUECLOT® Task Trainer, Gunshot Wound w/ Bone Insert	1
TRUECLOT® Blood Simulant, Concentrate, 1 gallon	1
Lubricating Jelly Sterile, 2.7g packet, BX/144	1
XSTAT Training Kit Best Practices Laminated Insert	1
Durable Re-usable Bin (Training Blue) 19.8" x 13.8" x 11.8"	1



XSTAT Training Facilitator Kit – LARGE

Item Number: TRN-99L

Kit Contains:

	QTY/KIT
XSTAT 30/P30 Training Applicators	2
XSTAT 12 Training Applicators	3
XSTAT Training Sponges Blue, Pk/1000	1
XSTAT Training Applicator Refill Tools	1
XSTAT Training Pouches	9
TRUECLOT® PCT3 Leg Trainer	2
TRUECLOT® Task Trainer, Gunshot Wound w/ Bone Insert	2
TRUECLOT® Blood Simulant, Concentrate, 1 gallon	1
Lubricating Jelly Sterile, 2.7g packet, BX/144	1
XSTAT Training Kit Best Practices Laminated Insert	1
Durable Re-usable Bin (Training Blue) 19.8" x 13.8" x 11.8"	1

TRUECLOT® BLEEDING CONTROL TRAINING PRODUCTS

TrueClot® bleeding control training products provide unprecedented and low-cost realism for all levels of training from beginner civilian Stop The Bleed® courses to more advanced Tactical Emergency and Combat Casualty Care (TECC and TCCC) for professional first responders, combat medics, and corpsmen; as well as Prehospital Trauma Life Support (PHTLS) and First on the Scene (FOTS).

TrueClot® Blood Simulant looks, feels, and behaves like human blood and forms realistic blood clots when used with TrueClot® Simulated Hemostatic Gauze. Thanks to this patented technology, TrueClot's® wet Wound Packing Task Trainers bleed until the user has packed the wound properly and maintained pressure. The TrueClot® Tourniquet Application Trainer is similarly designed to continue bleeding until the applied tourniquet is pre-tensioned and tightened correctly. TrueClot's® dry Wound Packing Task Trainers are ideal for realistic, low-cost, and repetitive wound-packing training and the use of advanced hemostatic gauzes.



**Blood
Simulant**



**Simulated
Hemostatic
Gauze**



**Tourniquet
Application
Trainers**



**Tabletop
Trainers for
Classrooms**



**Wearable
Trainers for
Scenarios**