



# QUIKLOT COMBAT GAUZE®



## QuikClot Combat Gauze®

QuikClot Combat Gauze® is a 3-inch x 4-yard strip of z-folded, soft, white, nonwoven, hydrophilic gauze impregnated with kaolin, an inorganic mineral that is both safe and effective in accelerating the body's natural clotting cascade without any exothermic reactions or use of animal or human proteins.

QuikClot Combat Gauze contains an X-ray detectable strip for easy identification.

Each QuikClot Combat Gauze, Item #200, NSN 6510-01-562-3325 is packaged in an easy-tear pouch with six tear points for fast deployment, vacuum sealed and has five year expiration.

In 2008, Combat Gauze was recommended as the only hemostatic dressing for the U.S. Military. This was based on extensive testing conducted by the United States Army Institute for Surgical Research (USAISR)<sup>1,9</sup> and the Naval Medical Research Center (NMRC).<sup>10</sup>

After extensive review of current data by the Committee on Tactical Combat Casualty Care (CoTCCC) in 2014, Combat Gauze was re-affirmed as the hemostatic dressing of choice.<sup>5</sup>

## QuikClot Benefits



### PROVEN RESULTS

In numerous independent studies, QuikClot products have demonstrated improved time to hemostasis<sup>1,2</sup> and ability to maintain a robust clot during movement.<sup>1,3,4</sup>



### CoTCCC DRESSING OF CHOICE

After extensive review of current data by the Committee on Tactical Combat Casualty Care (CoTCCC) in 2014, Combat Gauze was re-affirmed as the hemostatic dressing of choice.<sup>5</sup>



### WORKS FAST

Compared to standard gauze, QuikClot Combat Gauze promotes clotting within minutes<sup>1,6</sup>, develops a robust clot and allows movement with significantly fewer re-bleeds.<sup>3,4</sup>



### SAFE

There are no exothermic reactions, no human or animal proteins, no thrombin, fibrinogen or shellfish products.

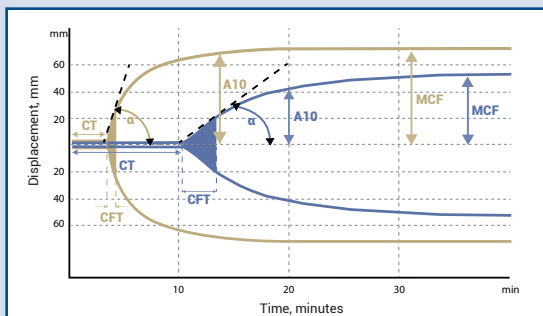


### EASY TO USE

The intuitive gauze dressing format<sup>1</sup> conforms readily to the wound site and will not break down or fall apart under pressure.



## QuikClot® Hemostatic Devices Promote Clotting Within Minutes<sup>1,2,6-8</sup>



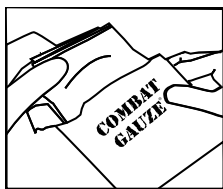
|                 | CT (sec) | CFT (sec) | α (degrees, °) | A10 (mm) | MCF (mm) |
|-----------------|----------|-----------|----------------|----------|----------|
| QuikClot+ Blood | 204      | 43        | 81             | 67       | 72       |
| Blood           | 605      | 181       | 56             | 44       | 54       |

Source: TEM Systems, Inc., 2015

Rotational Thromboelastometry (ROTEM) is used in bleeding situations to assess the viscoelastic properties of whole blood hemostasis. QuikClot treated blood shows a faster CT\*, shorter CFT\* and steeper α\* than blood alone, which indicates that the clot is activated quickly and amplifies rapidly. The greater the amplitude of the graph, the firmer the clot (A10\*, MCF\*). As can be seen in the graph, QuikClot treated blood forms a stronger clot faster than untreated blood.

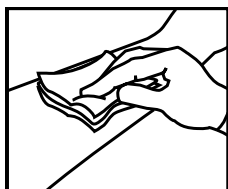
\*Clot Time (CT) describes the onset of clot formation (in sec); Clot Formation Time (CFT) shows clot propagation (in sec); the alpha angle (α) is taken tangent to the clotting curve at 2mm (in degrees\*); A10 is the Amplitude 10 minutes after CT; Maximum Clot Firmness (MCF) describes maximum clot firmness.

### Instructions For Use



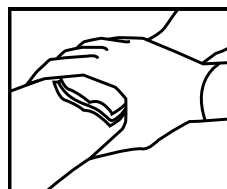
#### STEP 1:

Open package and remove **Combat Gauze**. Keep the empty package.



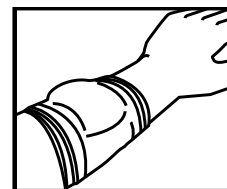
#### STEP 2:

Pack **Combat Gauze** into wound and use it to apply pressure directly over bleeding source. More than one **Combat Gauze** may be required.



#### STEP 3:

Continue to apply pressure for 3 minutes or until bleeding stops.



#### STEP 4:

Wrap and tie bandage to maintain pressure. Seek medical care immediately. Show product removal directions on package to medical personnel.

**PRODUCT REMOVAL:** 1. Gently remove gauze from wound. 2. Thoroughly irrigate wound.

### Ordering Information & Product Number

If you are ready to order, you can send a Purchase Order via fax to **1-800-343-8656**, or email **orders@z-medica.com**.

**Z-Medica® does not accept orders by phone.**



**QuikClot  
Combat Gauze®**

**Item #200**

1. Kheirabadi BS, Scherer MR, Estep JS, Dubick MA, Holcomb JB. Determination of efficacy of new hemostatic dressings in a model of extremity arterial hemorrhage in swine. *J Trauma*. 2009;67:450-460. 2. Trabattoni D, Montorsi P, Fabbicchi F, Luaidi A, Gatto P, Bartorelli A. A new kaolin-based haemostatic bandage compared with manual compression for bleeding control after percutaneous coronary procedures. *Eur Radiol*. 2011;21:1687-1691. 3. Gegel B, Burgert J, Gasko J, Campbell C, Martens M, Keck J, Reynolds H, Loughren M, Johnson D. The Effects of QuikClot Combat Gauze and Movement on Hemorrhage Control in a Porcine Model. *MILITARY MEDICINE*. December 2012;177:1543-1547. 4. Garcia-Blanco J, Gegel B, Burgert J, Johnson S, Johnson D. The Effects of Movement on Hemorrhage When QuikClot® Combat Gauze™ Is Used in a Hypothermic Hemodiluted Porcine Model. *Journal of Special Operations Medicine*. 2015 Spring;15(1):57-60. 5. Tactical Combat Casualty Care Guidelines 2 June 2014. [http://www.usaisr.amedd.army.mil/pdfs/TCOC\\_Guidelines\\_140602.pdf](http://www.usaisr.amedd.army.mil/pdfs/TCOC_Guidelines_140602.pdf). Accessed January 29, 2016. 6. Pahari M, Moliver R, Lo D, Pinkerton D, Basadonna G. QuikClot® Interventional™ Hemostatic Bandage (QC): a novel hemostatic agent for vascular access. *Cath Lab Digest*. 2010;18(1):28-30. 7. Trabattoni D, Gatto P, Bartorelli A. A new kaolin-based hemostatic bandage use after coronary diagnostic and interventional procedures. *Int J Cardiol*. 2012;156(1):53-54. 8. Politi L, Aprile A, Paganelli C, et al. Randomized clinical trial on short-time compression with kaolin-filled pad: a new strategy to avoid early bleeding and subacute radial artery occlusion after percutaneous coronary intervention. *J Intervent Cardiol*. 2011;24:65-72. 9. Kheirabadi B, Mace J, Terrazas I, Fedyk C, Estep J, Dubick M, Blackburne L. Safety Evaluation of New Hemostatic Agents, Smectite Granules, and Kaolin-Coated Gauze in a Vascular Injury Wound Model in Swine. *The Journal of Trauma® Injury, Infection, and Critical Care*. 2010;68(2):268-278. 10. Arnaud F, Parreno-Sadalan D, Tomori T, Delima MG, Teranishi K, Carr W, McNamee G, McKeague A, Govindaraj K, Beadling C, Lutz C, Sharp T, Mog S, Burris D, McCarron R. Comparison of 10 Hemostatic Dressings in a Groin Transection Model in Swine. *J Trauma*. 2009;67(4):848-855.

**QuikClot®**  
POWER TO STOP BLEEDING  
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