

Z-MEDICA®

It's QuikClot® Or It's Not



# QuikClot® Intensive Care Unit In-service

# Z-Medica®: A Strong Track Record of Success

**Z-Medica's mission is to *"Save Lives and Improve Patient Outcome"***

## Key Markets

### Healthcare



- QuikClot Control+® is in over 60% of Level I & II US Trauma Centers
- QuikClot® products can be used in multiple segments in the hospital including but not limited to Trauma, Cath Lab, IR, EP, Intensive Care, and Emergency Medicine
- Z-Medica has sold over 18 million units of QuikClot products to date



### EMS & Law Enforcement



- QuikClot products are used in EMS departments and in Law Enforcement agencies
- QuikClot products have been used in many mass casualty events across the world

### Military

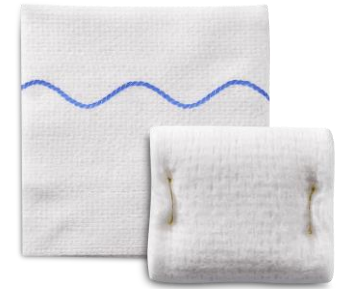


- QuikClot products began their use for controlling bleeding in the Military
- In 2008 QuikClot Combat Gauze® was selected by the Department of Defense as the hemostatic dressing of choice for all branches of the military





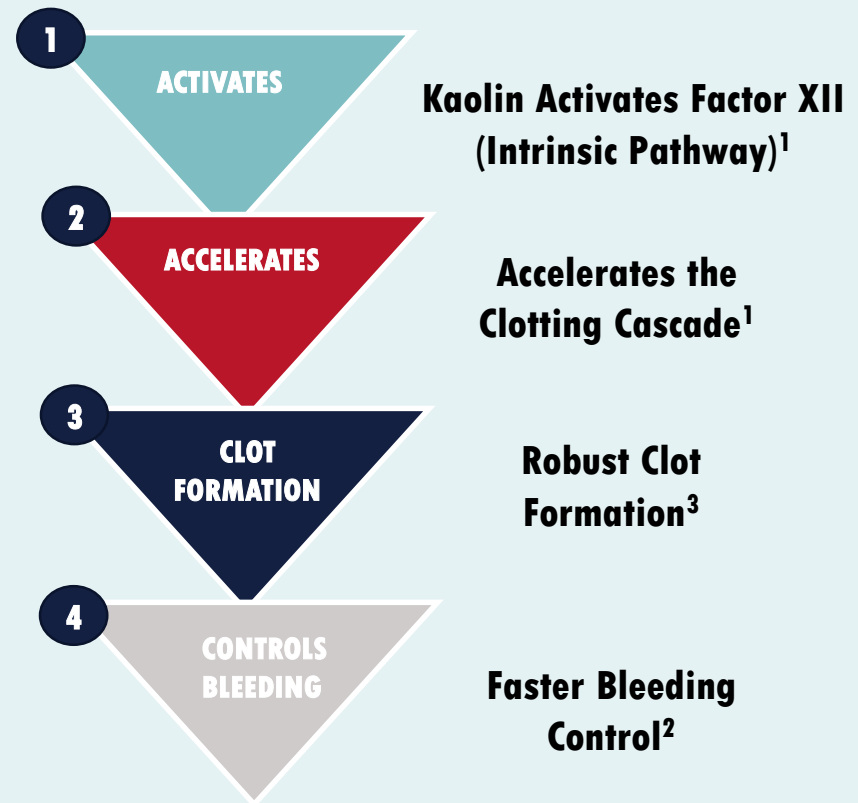
## A Non-Woven Material Impregnated With Kaolin



### QuikClot® products...

- ✓ Have kaolin which is an inorganic mineral that **Activates The Clotting Cascade**. Standard gauze does not have hemostatic properties
- ✓ Absorb blood and accelerate the pathway to clot formation<sup>1</sup>, leading to **Faster Bleeding Control**<sup>2</sup>
- ✓ Experience **Fewer Rebleeds**<sup>3</sup> which may mean **less disruption of work flow**
- ✓ Can be left in place for up to **24 Hours**
- ✓ No human, animal, shellfish or botanical products to initiate an allergic response

### How does kaolin work?



# Where To Use QuikClot® Products:

ICU Chronic Bleeding Scenarios	
Oozing line, tubes and sheaths	Recommended QuikClot Product
Central venous catheter (central lines or CVC)	188 for indwelling 183 for pulls
Peripherally inserted central catheters (PICC lines)	188 for indwelling 183 for pulls
Arterial and venous catheters	188 for indwelling 183 for pulls
Any indwelling sheaths, catheters, lines, tubes	188,459
Extracorporeal membrane oxygenation (ECMO)	188, 459
Intra-aortic balloon pump (IABP) catheter/Ventricular assist device (VAD)	188, 459 for indwelling 183, 459 for pulls
TAVR/TAVI	183, 459

Product Code 183



Product Code 188



Product Code 459



**Note:** Usage is not limited to this list, refer to the QuikClot product instructions for use (IFU)

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# Where To Use QuikClot® Products:

ICU Chronic Bleeding Scenarios	
Therapeutic Intervention	Recommended QuikClot Product
Tracheostomy bleeding	188, 459
Pacer or port site	459
Chest tube thoracostomy (Thoracic Catheter)	188, 459
Percutaneous endoscopic tubes, catheters & lines	188
Postoperative	
Postoperative incisions	459

Product Code 183



Product Code 188



Product Code 459



Product Code 461



# Application of QuikClot® Products Per The IFU

## Interventional Product Code 183

### Instructions for Use



(1) Remove hemostatic pad from packaging and place pad into sterile field, using aseptic technique. Do not wet the pad with saline before using it.



(2) Place the hemostatic pad on the puncture site. Apply manual compression on the pad for at least 5 minutes or until bleeding stops. Note: Arterial punctures using large dilators will require longer manual compression time. Following placement of the hemostatic pad, health care professionals are encouraged to continue to use the standard of care at their institution regarding site care, time to ambulation and time to patient discharge.



(3) Without moving or lifting the pad, apply Tegaderm adhesive bandage or equivalent over pad while maintaining manual compression on the pad. Secure adhesive bandage to skin.



(4) The hemostatic pad should be changed every 24 hours or more often, if required. To change bandage, gently peel away adhesive bandage and gently remove pad.

## Interventional Pre-Slit Product Code 188

### Instructions for Use



(1) Remove hemostatic pad from packaging and place pad into sterile field using aseptic technique. Do not wet the pad with saline before using it.



(2) Place the hemostatic pad around percutaneous catheters, tubes, ports or access lines. Apply firm, non-occlusive manual compression on the pad for at least 5 minutes or until bleeding/oozing stops. Note: Arterial punctures using large dilators will require longer manual compression time. Following placement of the hemostatic pad, health care professionals are encouraged to continue to use the standard of care at their institution regarding site care, time to ambulation and time to patient discharge.



(3) Without moving or lifting the pad, apply a Tegaderm adhesive bandage or equivalent over the pad and percutaneous catheters, tubes, ports or access lines while maintaining manual compression on the pad. Secure the adhesive bandage to skin.



(4) The hemostatic pad should be changed every 24 hours or more often, if required. To change bandage, gently peel away adhesive bandage and gently remove pad. Attention should be paid not to remove or displace percutaneous catheters, tubes, ports or access lines.

# Application of QuikClot® Products Per The IFU



**4x4 Product Code 459, Roll Product Code 461 & Z-Fold Product Code 487**



## **STEP 1:**

Verify the expiration date on the package labels prior to using the product. Remove hemostatic dressing from packaging.



## **STEP 2:**

Apply dressing directly to the source of the bleeding and use it to apply manual compression directly over the bleeding source. The dressing can be packed in the wound tract of penetrating injuries (more than one dressing may be required).



## **STEP 3:**

Continue to apply pressure for 5 minutes or until bleeding is controlled.



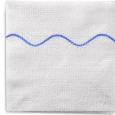
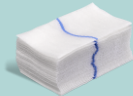



## **STEP 4:**

The hemostatic dressing may be left in place for up to 24 hours. Gently remove dressing. If the dressing is difficult to remove, hydrate with sterile saline. At the end of the procedure, thoroughly irrigate the wound to remove kaolin that may be released from the dressing.

# Product Ordering Information



Product	Product Order Number	Product Description	Units Per Box
QuikClot Interventional with 3M Tegaderm® Bandage	183 	1.5 in. x 1.5 in., hydrophilic pad with 3M Tegaderm Bandage	10/Box
QuikClot Interventional Pre-slit with 3M Tegaderm Bandage	188 	1.5 in. x 1.5 in., hydrophilic pad with 3M Tegaderm Bandage	10/Box
QuikClot 4x4 Non-Interventional	459 	4 in. x 4 in., 4 ply	10/Box
QuikClot Z-Fold Non-Interventional	487 	3 in. x 4 yards, z-fold, in 1 ply	10/Box
QuikClot Roll Non-Interventional	461 	3 in. x 4 yards, roll in 1 ply	10/Box



# References

1. **Lamb KM, Pitcher HT, Cavarocchi NC, Hirose H. Vascular Site Hemostasis in Percutaneous Extracorporeal Membrane Oxygenation Therapy. Open Cardiovasc Thorac Surg J. 2012;5:8-10**
2. **Trabattoni D, Montorsi P, Fabbocchi F, Lualdi A, Gatto P, Bartorelli AL. A new kaolin-based haemostatic bandage compared with manual compression for bleeding control after percutaneous coronary procedures. Eur Radiol. 2011;21:16871691**
3. **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. J Spec Oper Med. 2015 Spring;15(1):57-60**