

QuikClot[®]
POWER TO STOP BLEEDING

It's QuikClot Combat Gauze® Technology Packaged for Hospital Applications



QuikClot® can be used in multiple units of the hospital:

- **Emergency Room**

Procedures such as nosebleeds, lacerations, bleeding AV fistula, avulsions, amputations, road rash, traumatic wounds, etc.

- **Intensive Care Unit**

Procedures such as oozing lines, tubes and drains, fresh tracheostomy, skin tears, etc.

- **Dialysis**

Procedures such as daily arterial and venous pulls, bleeding AV fistula, oozing vascular catheters, etc.

- **Operating Room**

Surgical wounds such as plastic surgery, pockets, ports, reconstructive, maxillofacial, skin incisional bleeding, traumatic wounds, etc.

- **Cath Lab, EP Lab & IR Lab**

Procedures such as access line removal – arterial and venous, ports, pacer pockets, etc.

- **Wound Care**

Procedures such as bleeding wounds, amputations, etc.

- **IV Team**

Procedures such as oozing lines and line removal.

Standardize Areas of the Hospital with QuikClot



QuikClot is the answer to the top four issues hospitals are faced with:

- **Patient Safety**
- **Patient Satisfaction**
- **House-Wide Standardization**
- **Cost Containment**

Works Fast

Promotes clotting within minutes.†

Safe

Over 6 million units supplied to the US military with no reported product-related adverse events.† No exothermic reaction; no human or animal proteins; no thrombin, fibrinogen, or shellfish products.

Easy to Use

Intuitive to use, like standard gauze.† Conforms readily to the wound site and will not break down or fall apart under pressure.

Cost Effective

Less expensive than protein-based products, with a rapid effectiveness that may reduce the need for more expensive treatments.†

Proven Results

Independent test results published in several respected journals show that QuikClot can dramatically improve survival rates versus the alternatives. Whether compared to standard gauze or other available hemostatic agents, QuikClot has superior results that indicate it can reduce blood loss and promote stronger clots.†

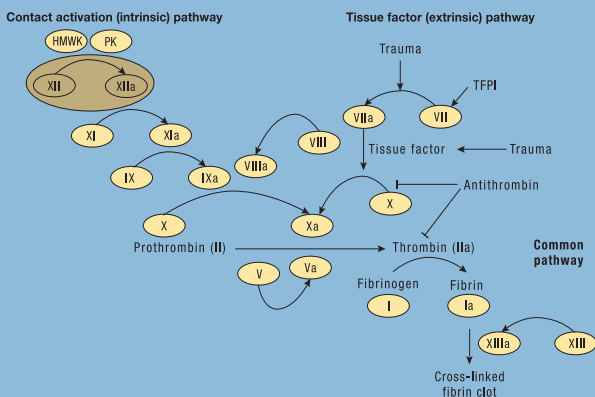
"Making QuikClot available throughout the hospital gives medical teams a powerful tool for controlling bleeding, minimizing blood-loss consequences and saving lives."



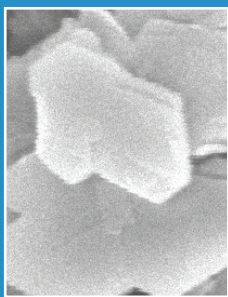
Understanding how QuikClot works: the Kaolin Difference.

For more than 8 years, QuikClot hemostatic devices have been made with kaolin. Kaolin is a naturally occurring, inorganic mineral that accelerates the body's natural clotting process. It works on contact with blood to immediately initiate the clotting process.^{††}

CLOTTING CASCADE



**QuikClot® kaolin technology accelerates
the body's natural clotting cascade**



Kaolin works on contact with blood to immediately initiate the clotting process by activating factor XII. This reaction leads to the transformation of factor XII to its activated form XIIa, which instigates the rest of the coagulation cascade.^{††}

Microscopic View of Kaolin

[†] For references see <http://www.quikclot.com/Clinical-Evidence>

^{††} For references see <http://www.quikclot.com/About-QuikClot>

QuikClot FDA 510(k) Clearances

Indicated as a topical dressing for the local management of bleeding wounds such as cuts, lacerations and abrasions. It may also be used for temporary treatment of severely bleeding wounds such as surgical wounds (operative, postoperative, dermatological, etc.) and traumatic injuries.

Indicated for the local management and control of surface bleeding from vascular access sites, percutaneous catheters or tubes utilizing introducer sheaths up to 12 Fr. or up to 7 Fr. for patients on drug-induced anticoagulation treatment.

Evidenced-based Data:

Trabattoni D, Montorsi P, Fabbicchi 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;21.8:1687-1691.

- 200 patients treated with aspirin, clopidogrel, LMW Heparin or warfarin received randomized treatment with QuikClot® or standard manual compression following cardiac catheterization via the femoral artery following coronary diagnostic or interventional procedures.
- QuikClot® significantly reduced the mean time to hemostasis to 5.4 minutes from 26.2 minutes in the manual compression group.

Table 2 Haemostasis effectiveness

	QuikClot	Manual Compression	P value
ACT at haemostasis time (sec)	145.4±29.6	140.2±20.4	0.67
Time to haemostasis (min)	87±137.8	94±126	0.21
Mean haemostasis time	5.4± 1.5 min	26.2± 15 min	<0.001
Cumulative Frequencies			
5 min	83%	10%	<0.001
6 min	91%	30%	<0.001
8 min	100%	38%	<0.001

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.

- The efficacy of QuikClot Combat Gauze® was assessed when applied to bleeding from the femoral artery or vein, internal jugular vein, tracheostomy and gastrostomy in patients receiving percutaneous extracorporeal membrane oxygenation support.
- QuikClot Combat Gauze® controlled bleeding at these sites within 24 hours, resulting in "a significant reduction in both localized bleeding complications and the need for blood transfusion."
- QuikClot Combat Gauze® "is the most cost-effective product compared to other hemostatic products such as Surgicel®, Gelfrom® [sic], and Fibrillar®."

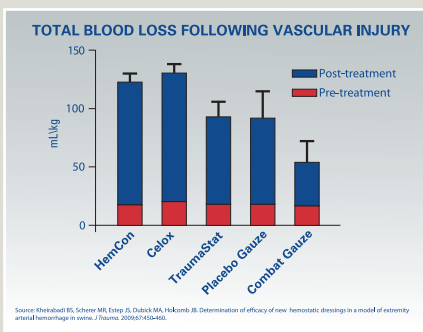
QuikClot® products are intended for use as a topical dressing for local management of bleeding wounds such as cuts, lacerations and abrasions. QuikClot products may also be used for temporary treatment of severely bleeding wounds (operative, postoperative, dermatological, etc.) and traumatic injuries. Some of the preclinical publications present information outside the cleared indications and are included for educational purposes only.

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;67.3:450-460.

- This study evaluated the efficacy of QuikClot Combat Gauze®, TraumaStat™, Celox-D™, HemCon®, and placebo gauze for traumatic injuries.
- QuikClot Combat Gauze® was the most effective dressing tested and resulted in the highest survival rate.

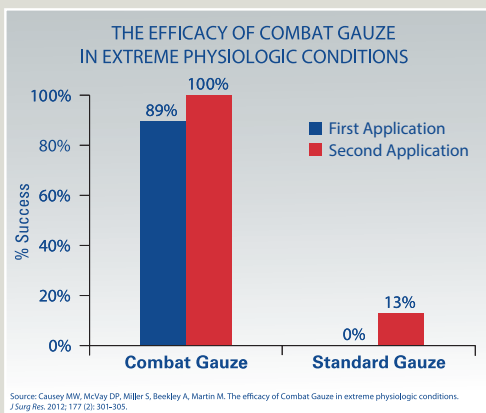


Causey MW, McVay DP, Miller S, Beekley A, Martin M.

The efficacy of Combat Gauze in extreme physiologic conditions.

J Surg Res. 2012;177.2:301-305.

- The efficacy of QuikClot Combat Gauze® was assessed in a model of severe acidosis and coagulopathy to mimic a post-traumatic environment.
- Results indicate that QuikClot Combat Gauze® significantly outperforms standard gauze dressings in this extreme physiologic model of a vascular injury.



Kheirabadi BS, Mace JE, Terrazas IB, et al.

Safety evaluation of new hemostatic agents, smectite granules, and kaolin-coated gauze in a vascular injury wound model in swine.

J Trauma. 2010;68.2:269-278.

- Kheirabadi, et al. studied the safety of QuikClot Combat Gauze®, WoundStat®, and standard gauze in controlling bleeding.
- WoundStat® severely injured vessels and could cause lung thrombosis.
- Results indicate that QuikClot Combat Gauze® is as safe as standard gauze.

QuikClot is the proven bleeding control device that addresses hospital concerns of patient safety and satisfaction, standardization and cost containment.

QuikClot Products Available:



QuikClot TraumaPad®

QuikClot TraumaPad is a 3-ply, 12 in x 12 in (30 cm x 30 cm) gauze with an X-ray detectable strip and tape, packaged in a foil peel pouch for aseptic removal. Packed 10 per box.



QuikClot® Z-Fold

QuikClot Z-Fold Hemostatic Dressing is a 3 in x 4 yds (7.6 cm x 3.7 m), z-folded gauze with an X-ray detectable strip, packaged in a foil peel pouch for aseptic removal. Packed 10 per box.



QuikClot® Roll

QuikClot Roll Hemostatic Dressing is a 3 in x 4 yds (7.6 cm x 3.7 m), rolled gauze with an X-ray detectable strip, packed in a foil peel pouch for aseptic removal. Packed 10 per box.



QuikClot® 4x4

QuikClot 4x4 Hemostatic Dressing is a 4 in x 4 in (10 cm x 10 cm), 4-ply gauze with an X-ray detectable strip, packaged in a foil peel pouch for aseptic removal. Packed 10 per box.



QuikClot® Interventional® with 3M™ Tegaderm™ Bandage

QuikClot Interventional is a soft, white, nonwoven, hydrophilic pad, packaged in a foil peel pouch for aseptic removal. Packed 10 per box.



QuikClot® Interventional® Pre-Slit with 3M™ Tegaderm™ Bandage

QuikClot Interventional Pre-Slit is a soft, white, nonwoven, hydrophilic pad, packaged in a foil peel pouch for aseptic removal. Packed 10 per box.



QuikClot® Radial®

QuikClot Radial is a soft, white, nonwoven, hydrophilic roll gauze with a unique direct pressure adhesive bandage, packed in a foil peel pouch for aseptic removal. Packed 10 per box.

To place an order, call **+1.203.294.0000** or fax **+1.800.343.8656**.
For additional information, visit us at QuikClot.com