



For an effective **blood loss mitigation** strategy, rely on **bleeding control**.

**Faster bleeding control leads to less blood products used which:**

- Results in better inventory control
- Results in better allocation of blood products
- Minimizes the burden on replenishing supply

Severely bleeding trauma patients use a large amount of the hospitals blood supply.

### DID YOU KNOW?

Transfusions come with several risks<sup>1,2,4</sup>

- Increased Infection Rates<sup>1,2</sup>
- Post Op Morbidity<sup>4</sup>
- Mortality<sup>2</sup>

**All leading to longer length of stay<sup>2,3</sup> and higher total costs<sup>2,3</sup>**

There are many tools that can help control bleeding faster.



**Hemostatics  
Devices**



**Packing**



**Mechanical**



**Pharmacological**

**Let's have a conversation about how hemostatic devices can help.**

**IT'S QUIKCLOT®  
OR IT'S NOT**



## The Bleeding Control Tool that should be part of your Blood Mitigation Strategy.

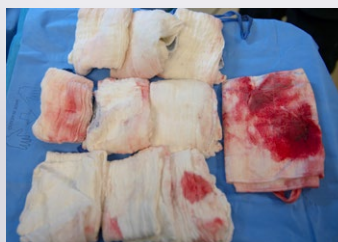
In a pre-clinical study  
**QuikClot Control+®**  
 has shown a reduction  
 in blood loss up to **40%<sup>7</sup>**

**QuikClot Control+®**  
 651± 180mL

**Laparotomy Sponges**  
 1073± 342mL

### Liver Injury, Side by Side comparison after 10 minutes<sup>8</sup>

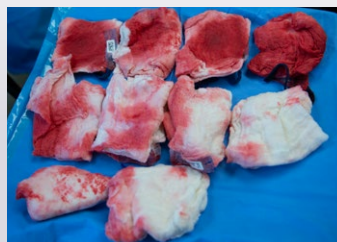
**QuikClot Control+®**



1 QuikClot Control+, 9 Lap Pads

**Clot Formation**  
**Minimal Strikethrough**  
**Minimal Saturation of Pads**

**Standard Laparotomy Sponges**



10 Lap Pads

**No Clot Formation**  
**Significant Strikethrough**  
**Several Pads Saturated**

- Stabilizing severely bleeding trauma patients may lead to less blood product used.
- Faster bleeding control<sup>5</sup> means better visualization<sup>6</sup> and a drier surgical field to help identify definitive repair needs.

**Product uses to address your severe bleeding needs.**

**QuikClot CONTROL+ Surgeon Product Usage Guide**

PRODUCT NUMBER	RECOMMENDED USE
<b>QuikClot Control+® 12x12</b>	
4030	<b>Intra-abdominal packing</b> <ul style="list-style-type: none"> <li>Liver</li> <li>Spleen</li> <li>Damage control</li> <li>Retro-peritoneal</li> <li>Mesentery</li> </ul> <b>Intra-thoracic packing</b> <ul style="list-style-type: none"> <li>Chest</li> <li>Around lung</li> </ul> <b>Pelvic packing</b> <ul style="list-style-type: none"> <li>Iliac</li> </ul> <b>Pre-peritoneal packing</b> <ul style="list-style-type: none"> <li>Inferior vena cava</li> <li>Kidney</li> <li>Descending aorta</li> </ul> <b>Large soft tissue wounds</b> <ul style="list-style-type: none"> <li>Large laceration</li> <li>Amputation</li> <li>Machinery-related wounds</li> </ul> <b>Burn debridement</b> <ul style="list-style-type: none"> <li>Soft tissue flaps</li> </ul>
<b>QuikClot Control+ z-fold</b>	
4020	<b>Penetrating wounds</b> <ul style="list-style-type: none"> <li>Gunshot wounds</li> <li>Stabbings</li> </ul> <b>Lacerations</b> <ul style="list-style-type: none"> <li>Head</li> <li>Neck</li> <li>Scalp</li> <li>Face</li> </ul> <b>Amputation</b>
<b>QuikClot Control+® 8x8</b>	
4010	<b>Intra-abdominal packing</b> <ul style="list-style-type: none"> <li>Liver</li> <li>Spleen</li> <li>Damage control</li> <li>Retro-peritoneal</li> <li>Mesentery</li> </ul> <b>Intra-thoracic packing</b> <ul style="list-style-type: none"> <li>Chest</li> <li>Around lung</li> </ul> <b>Pelvic packing</b> <ul style="list-style-type: none"> <li>Iliac</li> </ul> <b>Pre-peritoneal packing</b> <ul style="list-style-type: none"> <li>Inferior vena cava</li> <li>Kidney</li> <li>Descending aorta</li> </ul> <b>Large soft tissue wounds</b> <ul style="list-style-type: none"> <li>Large laceration</li> <li>Amputation</li> <li>Machinery-related wounds</li> </ul> <b>Burn debridement</b> <ul style="list-style-type: none"> <li>Soft tissue flaps</li> </ul> <b>Narrow pelvis</b> <b>Smaller size injuries</b>
<b>QuikClot Control+ 5x5</b>	
4000	<b>Small soft tissue wounds</b> <ul style="list-style-type: none"> <li>Lacerations</li> <li>Head</li> <li>Neck</li> <li>Scalp</li> <li>Face</li> </ul>

NOTE: Usage is not limited to this list, refer to the QuikClot Control+ product instructions for use (IFU).

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**QuikClot CONTROL+ Z-MEDICA**

#### INDICATIONS:

QuikClot Control+ is indicated for temporary control of internal organ space bleeding for patients displaying class III or IV bleeding. It may also be used for control of severely bleeding wounds such as surgical wounds and traumatic injuries.

This material is only intended to provide an overview of the device. Prior to use, always refer to the device specific instructions for use (IFU), product label, and/or package insert for complete details regarding the proper use, warnings, precautions, contraindications, and the storage and handling of the device.

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**References:** 1. Carson JL, Altman DG, Duff A, et al. Risk of bacterial infection associated with allogenic blood transfusion among patients undergoing hip fracture repair. *Transfusion*. 1999 Jul; 39(7):694-700. 2. Morton J, Anastassopoulos KP, Patel ST, et al. Frequency and outcomes of blood products transfusion across procedures and clinical conditions warranting inpatient care: an analysis of the 2004 healthcare cost and utilization project nationwide inpatient sample database. *Am J Med Qual*. 2010 Jul/Aug; 25(4):289-296. 3. Stokes ME, Ye X, Shah M, et al. Impact of bleeding-related complications and/or blood product transfusions on hospital costs in inpatient surgical patients. *BMC Health Serv Res*. 2011; 11:135. 4. Silverboard H, Aisiku I, Martin GS, et al. The role of acute blood transfusion in the development of acute respiratory distress syndrome in patients with severe trauma. *J Trauma*. 2005; 59: 717-723. 5. Based on in-vitro testing when compared to standard gauze. Data on file, ETF-00130. 6. Moss R. Management of Surgical Hemostasis an independent study guide. *AORN J*. 2013; 5. 7. Koko KR, McCauley BM, Gaughan JP, Nolan RS, Fromer MW, Hagaman ALR, et al. Kaolin-based hemostatic dressing improves hemorrhage control from a penetrating inferior vena cava injury in coagulopathic swine. *J Trauma Acute Care Surg*. 2017;83(1):71-76. Based on preclinical animal model, clinical outcomes may vary. 8. Data on file, Comparison of QuikClot Control+ vs. Standard Lap Pad in a swine liver injury model.