



## BloodSTOP<sup>®</sup> ix Next Generation

💧 **BloodSTOP<sup>®</sup> ix** is fully biocompatible; and its use is safe and associated with rare incidence of side effects.<sup>(1,2,3,4,5,6)</sup>

💧 **BloodSTOP<sup>®</sup> ix** is available with pH 7.2 which close to normal human blood physiological pH (7.35); meanwhile **Surgicel<sup>®</sup>** pH is 5.9 (acidic); this assure:<sup>(1,6,7)</sup>

- ✓ Less irritation, burning feeling, irritation and hyper-sensitivity reaction.
- ✓ Safe for neurosurgery; with no nerve damage or paralysis.
- ✓ Safe for bone surgery.
- ✓ Safe for Nasal polyps removal surgery.



BloodSTOP<sup>®</sup> ix

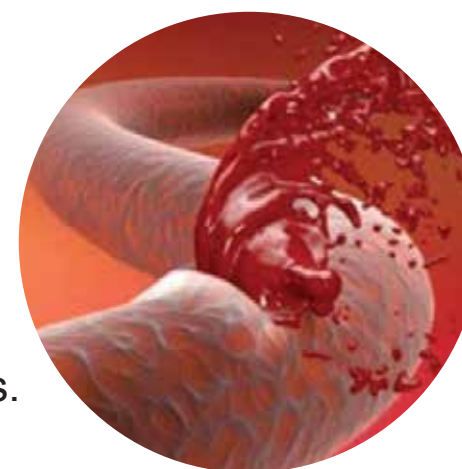


Surgicel<sup>®</sup>

## BloodSTOP<sup>®</sup> ix Next Generation

💧 **BloodSTOP<sup>®</sup> ix** is considered as next generation Hemostatic agent as it:

- ✓ Easy to use.
- ✓ Effective/ Stable up till temperature of 80 °C.
- ✓ Water soluble (easily washable).
- ✓ Free from human/ animal derivatives.
- ✓ No evidence of thromboembolism.<sup>(1,2)</sup>



### Method of application:

1. Fold **BloodSTOP<sup>®</sup> ix** in half to make 2 layers.
2. Apply over the wound.
3. Add other layers if needed.
3. Moisten with saline (if needed) to assure the adherence to skin surface.
4. Add pressure for 2 – 3 minutes (if applicable); using gauzes (if needed).

**References:**  
1 - Life Science Plus – Data on File for BloodSTOP<sup>®</sup> (BloodSTOP Hemostat Clinic Studies)  
2 - International Journal of Molecular Sciences 2016, 17, 545 (1-12)  
3 - Dental Economics February 2006  
4 - Dentistry Today 2006 (25): 2  
5 - Multi-center, Comparative Clinical Assessment of Products for Hemostasis and Wound Healing in Endoscope Sinus Surgery (2000 – 2003)  
6 - Urology 2016 (80): 1161.e1–1161.e6  
7 - Surgicel<sup>®</sup>PPE Specification



## BloodSTOP<sup>®</sup> ix

CONTROLS BLEEDING FAST

### Next Generation Hemostatic Agent

Acts within  
6 - 12  
seconds

Complete  
Normal Hemostasis  
2 - 5  
minutes

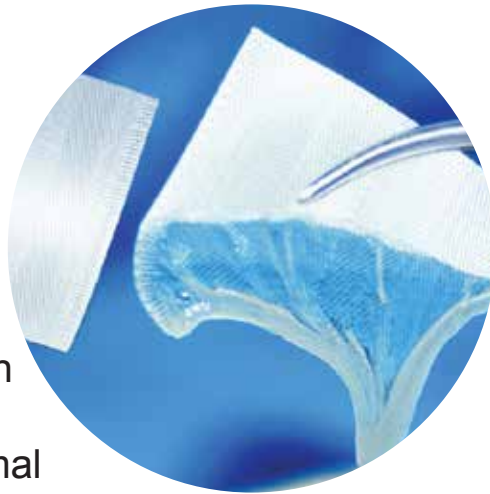




## BloodSTOP® iX Next Generation

BloodSTOP® iX as etherized oxygenated regenerated cellulose (EORC) has 3 unique mechanism of action: <sup>(1,2)</sup>

1. EORC turns to viscous (within 6 seconds); this seals bleeding site.
2. EORC serves as a scaffold (mesh) for platelet adhesion and aggregation that leads to quick clot formation (physical scaffold).
3. EORC adheres to any wound and, upon contact with blood, initiates blood coagulation by enhancing factor IX (this speed up the conversion of Fibrinogen to Fibrin) (and normal blood coagulation).



Use of BloodSTOP® iX to manage bleeding (including large arteries); assures the normal hemostasis within 2 – 5 minutes. <sup>(1,2,6)</sup>

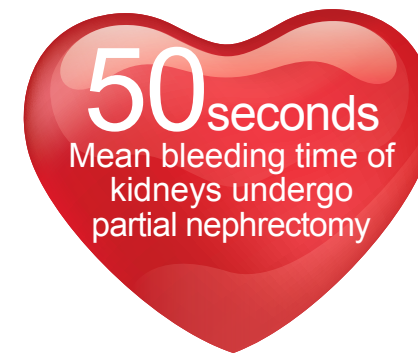
BloodSTOP® iX is useful to manage bleeding associated with: <sup>(1,2,3,4,5,6)</sup>

- ✓ Surgery include (Including: ENT, Neurosurgery, Cardio-surgery, Dentistry, etc.)
- ✓ Laparoscopy.
- ✓ Trauma.
- ✓ Wound care.
- ✓ Military battlefield.
- ✓ Patients taking anti coagulants/ anti platelets.
- ✓ Patients with bleeding disorders (e.g Hemophilia).

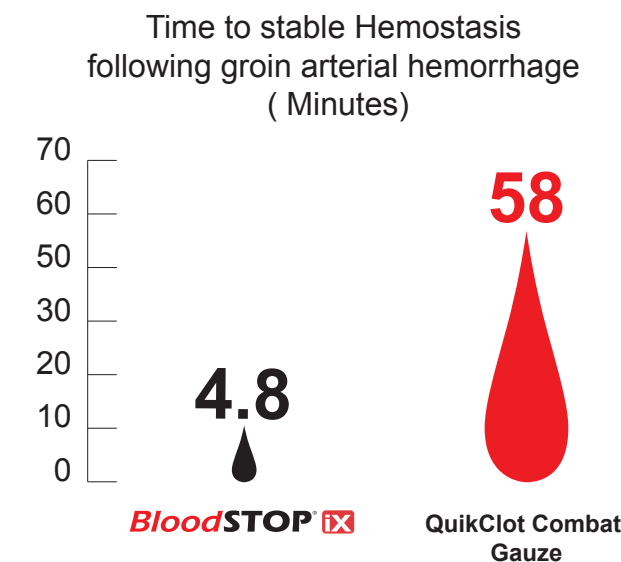
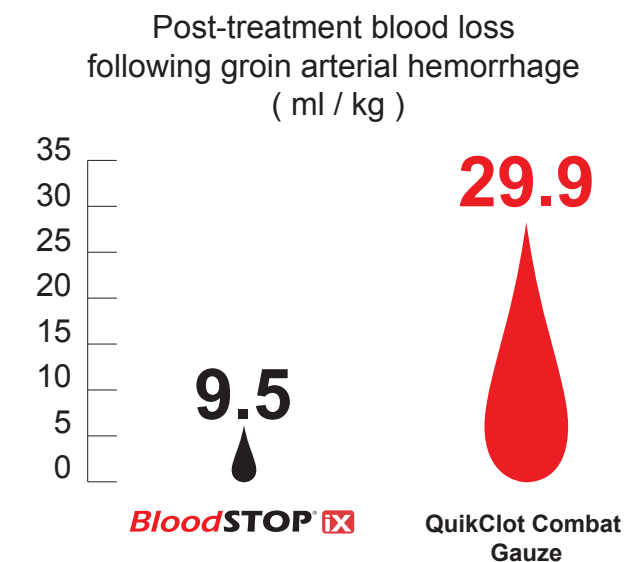
6  
Seconds  
Action

## BloodSTOP® iX Next Generation

BloodSTOP® iX is Fastest Acting hemostatic agent as it acts immediately (within 6 – 12 seconds) upon contact with blood; and ensures to stop the bleeding within 30 – 65 seconds. <sup>(2,6)</sup>



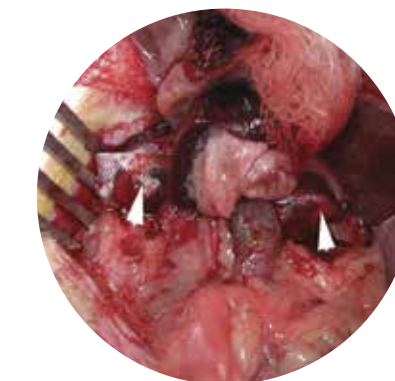
Managing bleeding with BloodSTOP® iX was much faster compared to QuickClot®, Gelfoam® or Surgicel® and resulted less blood loss; and high survival incidence (100% vs. 60%). <sup>(2,6)</sup>



## BloodSTOP® iX Next Generation

BloodSTOP® iX is completely biodegradable within 2 – 4 weeks:

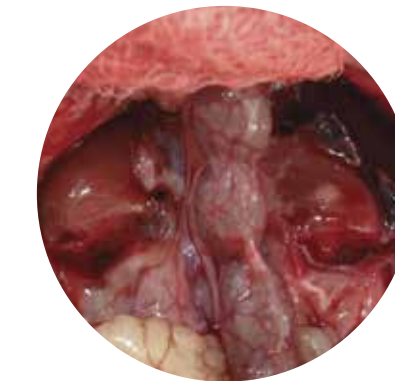
After applying hemostatic matrix to  
partial nephrectomy wound



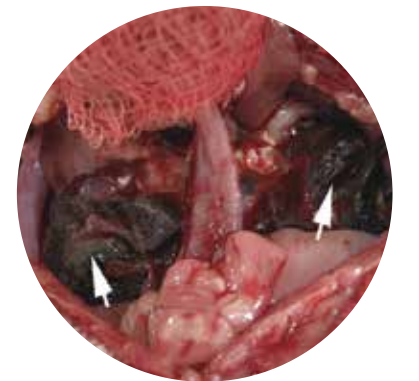
BloodSTOP® iX upon application



Surgicel® upon application



BloodSTOP® iX After 30 days



Surgicel® After 30 days

BloodSTOP® iX is 100% resorbed by the body, with no reported residue (determined across various operating procedures covering over 10,000 patients) and therefore does not cause complications even in such critical areas as brain surgery. <sup>(1,2,6)</sup>