

## **Quick Facts about RECOTHROM™ Thrombin, topical (Recombinant)**

### **What is thrombin?**

Thrombin is a molecule naturally produced by the body to help form blood clots.

### **When is thrombin used?**

Thrombin is used in surgeries when there is diffuse or oozing bleeding.

### **How is thrombin applied?**

A gelatin sponge soaked with thrombin can be applied until clotting starts. Thrombin can also be administered with a spray applicator.

### **What is RECOTHROM?**

RECOTHROM is synthetic (recombinant) thrombin.

### **What is the regulatory status of RECOTHROM?**

RECOTHROM was approved by the FDA on January 17, 2008. Previously referred to as recombinant thrombin (rThrombin), RECOTHROM is the first and only recombinant, plasma-free thrombin approved for use as a topical hemostat.

**What recombinant products have replaced human or animal plasma blood products?** Recombinant products that have replaced animal, plasma and human blood products <sup>(1)</sup> include:

- NovoSeven<sup>®</sup> (rFactor VIIa)
- Recombinate<sup>®</sup> and Kogenate<sup>®</sup> (recombinant Factor VIII)
- ReFacto<sup>®</sup> (recombinant Factor IX)

### **References:**

1. Bishop P, Lawson J. Recombinant Biologics for Treatment of Bleeding Disorders. Nat Rev Drug Discov 2004;3 (8):684-694.