Indication: RECOTHROM Thrombin, topical (Recombinant) is indicated as an aid to hemostasis whenever oozing blood and minor bleeding from capillaries and small venules is accessible and control of bleeding by standard surgical techniques is ineffective or impractical.

Important Safety Information:

For topical use only—do not inject directly into the circulatory system. Potential risk of thrombosis if absorbed systemically. Do not use for the treatment of massive or brisk arterial bleeding or in patients with known hypersensitivity to RECOTHROM, any components of RECOTHROM or hamster proteins.

No specific adverse events have been established as adverse reactions causally related to RECOTHROM administration. In a clinical study comparing RECOTHROM to bovine thrombin, adverse events were reported with similar frequency in both treatment groups, and no reported adverse events were considered causally related to antibody formation in either group. Limited data (n=6) exist regarding re-exposure to RECOTHROM.

To learn more, call 1-888-784-7662 or visit www.RECOTHROM.com

Minimize these risks with RECOTHROM

RECOTHROM, the only recombinant human thrombin, is 100% free of cattle plasma and as effective as cattle thrombin. In a phase 3 study of RECOTHROM compared to cattle thrombin, adverse events were reported with similar frequency in both treatment groups, and no reported adverse events were considered causally related to antibody formation in either group. Limited data (n=6) exist regarding re-exposure to RECOTHROM.

Patients with antibodies to cattle thrombin products should not be re-exposed due to the risk of developing postsurgical immune-mediated coagulopathy.1 In a recent clinical trial, 1 in 6 surgical patients with likely prior exposure to cattle thrombin had antibodies to cattle thrombin.3

Minimize these risks with RECOTHROM

RECOTHROM, the only recombinant human thrombin, is 100% free of cattle plasma and as effective as cattle thrombin.4,5

In a phase 3 study of RECOTHROM compared to cattle thrombin, adverse events were reported with similar frequency in both treatment groups, and no reported adverse events were considered causally related to antibody formation in either group. Limited data (n=6) exist regarding re-exposure to RECOTHROM.

The risks associated with cattle thrombin may stay with patients long after surgery1

Patients with antibodies to cattle thrombin products should not be re-exposed due to the risk of developing postsurgical immune-mediated coagulopathy. In a recent clinical trial, 1 in 6 surgical patients with likely prior exposure to cattle thrombin had antibodies to cattle thrombin.3

Important Safety Information:

For topical use only—do not inject directly into the circulatory system. Potential risk of thrombosis if absorbed systemically. Do not use for the treatment of massive or brisk arterial bleeding or in patients with known hypersensitivity to RECOTHROM, any components of RECOTHROM or hamster proteins.

No specific adverse events have been established as adverse reactions causally related to RECOTHROM administration. In a clinical study comparing RECOTHROM to bovine thrombin, adverse events were reported with similar frequency in both treatment groups. The most common event was incision site complication. Limited data (n=6) are available on repeat exposure to RECOTHROM.

Please see Brief Summary of full Prescribing Information on next page.

References:


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RECOTHROM® Thrombin, topical (Recombinant)

Rx Only

The following is a brief summary of the full prescribing information for RECOTHROM Thrombin, topical (Recombinant).

INDICATIONS AND USAGE

RECOTHROM Thrombin, topical (Recombinant), is indicated as an aid to hemostasis whenever oozing blood and minor bleeding from capillaries and small venules is accessible and control of bleeding by standard surgical techniques is ineffective or impractical. RECOTHROM may be used in conjunction with an absorbable gelatin sponge, USP.

DOSEAGE AND ADMINISTRATION

• For topical use only. DO NOT INJECT.
• Reconstitute RECOTHROM powder with the provided sterile 0.9% sodium chloride injection, USP, yielding a solution containing 1000 units/mL.*
• Topically apply RECOTHROM solution directly to bleeding site or in conjunction with absorbable gelatin sponge. The amount required depends upon the area of tissue to be treated.

DOSEAGE FORMS AND STRENGTHS

5000- and 20,000-unit vials of sterile powder for solution.

CONTRAINDICATIONS

• Do not inject directly into the circulatory system.
• Do not use for the treatment of massive or brisk arterial bleeding.
• Do not administer to patients with known hypersensitivity to RECOTHROM, any components of RECOTHROM, or hamster proteins.

WARNINGS AND PRECAUTIONS

• Potential risk of thrombosis if absorbed systemically.
• In patients with known hypersensitivity to snake proteins, there may be a potential for allergic reaction.

ADVERSE REACTIONS

• No specific adverse events have been established as adverse reactions causally related to RECOTHROM administration. In a Phase 3 clinical study comparing RECOTHROM to bovine thrombin,¹ adverse events were reported with similar frequency in the two treatment groups, and the most common events reported were incision site complication, procedural pain, and nausea.
• Treatment with RECOTHROM resulted in a statistically significantly lower incidence of specific anti-product antibody development. Three of 198 (1.5%; 95% CI, 0 to 4%) of the patients in the RECOTHROM arm developed specific anti-thrombin product antibodies (1 patient also developed anti-CHO host cell protein antibodies). Forty-three of 200 subjects (22%; 95% CI, 16 to 28%) in the bovine thrombin arm developed specific antibodies to bovine thrombin product. None of the antibodies in the RECOTHROM group neutralized native human thrombin. Antibodies against bovine thrombin product were not tested for neutralization of native human thrombin. Development of antibodies in either group did not lead to any adverse events such as excessive bleeding.
• Limited data (n=6) are currently available on repeat exposure to RECOTHROM.

To report SUSPECTED ADVERSE REACTIONS, contact Zymogenetics, Inc. at 1-888-794-7662, or FDA at 1-800-FDA-1088 or www.fda.gov/medwatch.

USE IN SPECIFIC POPULATIONS

• Pediatric use has not been evaluated in clinical studies.
• Geriatric: No substantive differences in safety or effectiveness were observed between patients 65 years of age or older and younger patients.

REFERENCES


For Full Prescribing Information, access www.RECOTHROM.com Manufactured for Zymogenetics, Inc.

*Units used herein represent International Units of potency.

RT022-03, August 2009