



Necessary.

**Thrombate III<sup>®</sup>**

Antithrombin III (Human)

Restoring the balance in hemostasis

# Thrombate III® . . . Necessary Therapy in Hereditary Antithrombin (AT) Deficiency

## Efficacious

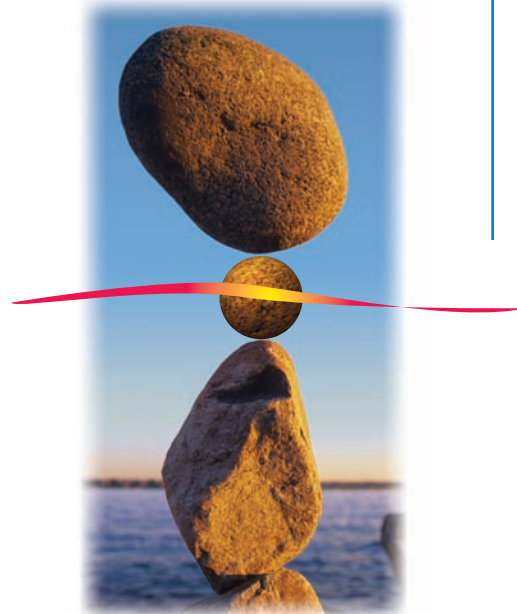
Thrombate III is a potent hemostatic agent that restores the balance in hemostasis for patients with hereditary AT deficiency in high-risk situations.

- Thrombate III reduces the risk of thrombotic events without increasing the risk of bleeding

## Predictable

Thrombate III is highly purified antithrombin concentrate. It gives physicians precise control over antithrombin levels in patients with hereditary AT deficiency in connection with surgical or obstetrical procedures or when they suffer from thromboembolism

- Thrombate III is purified to remove other coagulation proteins



## Safe

Thrombate III has a well-established safety profile.

- Thrombate III has more than 15 years of post-marketing experience
- More than 100 million IUs have been administered with no reported case of virus transmission
- Thrombate III is pasteurized to inactivate viruses and is purified to remove proinflammatory antibodies and cytokines
- Thrombate III has a low incidence of side effects<sup>1</sup>
  - The most common include dizziness, chest tightness, nausea, and a foul taste in the mouth

## Hereditary AT deficiency is rare but serious

- One per 2,000 to 5,000 in the general population has hereditary AT deficiency<sup>1</sup>
- Assuming there are 60,000 AT-deficient people in the US, at least 3 times as many people have hereditary AT deficiency as have hemophilia A<sup>2</sup>
- Among the hereditary thrombophilias, the risk for thrombosis is highest for those with hereditary AT deficiency<sup>3</sup>
  - Patients with hereditary AT deficiency are at a significantly increased risk of DVT and pulmonary embolism<sup>1,3</sup>

## Thrombate III is convenient to use

- Ready to infuse in minutes
- Should be refrigerated (2-8°C; 36-46°F) in the pharmacy, the operating room, or the blood bank

## Thrombate III is convenient to access

- Thrombate III is available through a network of specialty distributors
- In some situations Thrombate III can be delivered the same day or within 24 hours
- Consignment programs are available through some distributors

## Thrombate III is backed by the commitment of Talecris

- Talecris Biotherapeutics is increasing supply to meet a growing demand for Thrombate III through the acquisition of a significant number of plasma collection centers and expanding manufacturing facilities
- Talecris is looking towards the future through research into the role of antithrombin in human physiology and potential new uses for Thrombate III

### Important Safety Information

Thrombate III® therapy has demonstrated a low occurrence of side effects. In clinical studies with Thrombate III®, the most common side effects were dizziness, chest tightness, nausea, and a foul taste in the mouth. As with all plasma-derived therapeutics, the potential to transmit infectious agents, such as viruses, cannot be totally eliminated. Individuals who receive infusions of blood or blood plasma may develop signs and/or symptoms of some virus infections, particularly hepatitis C.

Please see full Prescribing Information for Thrombate III® in pocket.

Only one product is FDA-approved for the treatment of hereditary AT deficiency

**Thrombate III®**  
Antithrombin III (Human)

Restoring the balance in hemostasis

# Thrombate III . . . the Necessary Therapy

Fresh frozen plasma (FFP) is contraindicated for a coagulopathy when the missing protein is available as a concentrate.<sup>4,5</sup>

Some physicians continue to order FFP to increase a patient's antithrombin levels. However, Thrombate III is the only treatment approved by the FDA for patients with hereditary AT deficiency in connection with surgical or obstetrical procedures or when they suffer from thromboembolism.

Use the chart below to assess the characteristics of Thrombate III and FFP.

Category	Thrombate III	FFP (fresh frozen plasma)
Efficacy	<ul style="list-style-type: none"><li>• Proven by clinical trial to reduce thrombotic events</li></ul>	<ul style="list-style-type: none"><li>• No clinical trials to prove reduction of thrombotic events</li><li>• Usage based on empirical experience only</li></ul>
Dosing	<ul style="list-style-type: none"><li>• Concentrated antithrombin is predictable</li><li>• Allows precise dosing</li></ul>	<ul style="list-style-type: none"><li>• Antithrombin levels unknown</li><li>• No established dosing regimen</li></ul>
Safety Processing	<ul style="list-style-type: none"><li>• Highly purified from human plasma</li><li>• Pasteurized for virus inactivation</li><li>• Purified to remove proinflammatory antibodies and cytokines</li></ul>	<ul style="list-style-type: none"><li>• Unpurified human plasma product</li><li>• No virus inactivation or removal</li><li>• Contains proinflammatory antibodies and cytokines</li></ul>
Adverse events	<ul style="list-style-type: none"><li>• Rare: none consistently associated</li></ul>	<ul style="list-style-type: none"><li>• Consistently associated with TRALI and TACO</li></ul>
Side effects	<ul style="list-style-type: none"><li>• Low incidence</li></ul>	<ul style="list-style-type: none"><li>• Low incidence</li></ul>
Storage	<ul style="list-style-type: none"><li>• Should be refrigerated in:<ul style="list-style-type: none"><li>-Pharmacy</li><li>-Operating room</li><li>-Blood bank</li></ul></li></ul>	<ul style="list-style-type: none"><li>• Must be stored frozen</li><li>• Ordered from blood bank</li></ul>
Convenience	<ul style="list-style-type: none"><li>• 5-10 minutes to reconstitute with Sterile Water for Injection</li></ul>	<ul style="list-style-type: none"><li>• Up to 45 minutes to thaw, which can add costly time delays in the operating room</li></ul>

**References:** 1. Thrombate III [prescribing information]. Research Triangle Park, NC: Talecris Biotherapeutics Inc.; 2005. 2. National Heart Lung and Blood Institute. Hemophilia: what is hemophilia? Available at: [http://www.nhlbi.nih.gov/health/dci/Diseases/hemophilia/hemophilia\\_what.html](http://www.nhlbi.nih.gov/health/dci/Diseases/hemophilia/hemophilia_what.html). Accessed June 18, 2007. 3. Franchini M, Veneri D, Salvagno GL, Manzato F, Lippi G. Inherited thrombophilia. *Crit Rev Clin Lab*. 2006;43:249-290. 4. Plasma components: plasma components containing functional amounts of labile coagulation factors (factors V and VIII). In: AABB; America's Blood Centers; American Red Cross. *Circular of Information for the Use of Human Blood and Blood Components*. July 2002; 23-24. Available at: <http://www.fda.gov/cber/gdlns/crclr.pdf>. Accessed June 18, 2007. 5. Nobiletti JB. Indications and contraindications: plasma. *Transfusion Medicine Quarterly: A communications update for transfusion medicine professionals*; 2002;2(3):1-5. Johnstown, PA: American Red Cross Blood Services, Greater Alleghenies Region. Available at: <http://www.redcrosslife.org/hospital/pdf/tmq15.pdf>. Published April 2002. Accessed June 20, 2007.

To order Thrombate III, please call Talecris USA Customer Service: **1-800-243-4153**

For clinical or technical questions, please call Talecris Clinical Communications: **1-800-520-2807** or visit **www.thrombate.com**

For reimbursement assistance, please call Talecris Reimbursement Helpline: **1-877-827-3462**

**Please see Important Safety Information on page 2.**

**Please see full Prescribing Information for Thrombate III® in pocket.**

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