Creative Enzymes®

# Native Porcine Thrombin

*Cat. No. NATE-0970*

*Lot. No.* (See product label)

## Introduction

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| ***Description*** | Thrombin is a serine protease that in humans is encoded by the F2 gene. Prothrombin (coagulation factor II) is proteolytically cleaved to form thrombin in the coagulation cascade, which ultimately results in the reduction of blood loss. Thrombin in turn acts as a serine protease that converts soluble fibrinogen into insoluble strands of fibrin, as well as catalyzing many other coagulation-related reactions. |
| ***Applications*** | Diagnostic Controls, Calibrators & Standards; Immunoassays; Testing/Assay Validation; Life Science; Manufacturing; Coagulation/Anemia |
| ***Synonyms*** | thrombin; alpha Subunit Thrombin |

## Product Information

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| ***Species*** | Porcine |
| ***Source*** | Porcine Plasma |
| ***Form*** | Liquid in 0.05 M sodium Citrate, 0.2 M NaCl, 0.1% PEG-8,000, pH 6.5. |
| ***Molecular Weight*** | 362 kDa |
| ***Activity*** | > 1,000 NIH U/mg |
| ***Concentration*** | > 0.5 mg/mL |

## Storage and Shipping Information

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| ***Storage*** | Store at -20°C |
| ***Stability*** | 2 years |