



Human Prothrombin

Product No. ADG417

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For Research use only!

Description

Human Prothrombin was isolated from fresh frozen plasma (CAUTION), employing Barium citrate absorption, EDTA elution, citrate buffer, DEAE and heparin-Sepharose column chromatography. Molecular weight: 72 kDa.

Caution

The source plasma for this product was tested prior to initiation of the manufacturing process, and was found negative or nonreactive for anti-HIV-112, HIV-1 antigen(s), HBsAg, STS, anti-HCV, anti-HBcore and anti-HTLV I & II. Extreme caution should be used when handling this material as there is a margin of error in all tests, and testing does not always disclose pathogens or other harmful substances contained in blood/plasma products.

Protein Determination

Protein concentration determined using a coefficient,

$$\sum \frac{1\%}{1 \text{ cm}, 280 \text{ nm}} = 13.8$$

Specific Activity

7.0 units/mg. One unit is equivalent to the Prothrombin activity in one milliliter of human normal plasma (determined utilizing Beckman Coulter's ACL Top instrument and reagents)

Presentation

Screw-capped plastic microfuge tube containing 2.0 mg protein (9.2 mg/mL) in 217 µL of a 50% (vol/vol) glycerol/water solution.

Storage

Store at -20°C.

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