

Native Human Factor XIa

Cat. No. NATE-0886

Lot. No. (See product label)

Introduction

Description Prepared from Human Factor XI using Human Factor XIIa. This XIIa was removed using a corn trypsin inhibitor column. Complete activation is observed by SDS-PAGE. Factor XI, through the contact factor pathway cascade, is activated to Factor XIa via Factor XIIa and High Molecular Weight Kininogen. During activation by Factor XIIa and HK, FXI undergoes proteolytic cleavage in which the Mr=80,000 chain reportedly is cleaved to a heavy and light chain with Mr of about 48,000 and 33,000. This Factor XIa is responsible for the activation of Factor IX to Factor IXa. Unlike other examples of activation of Vitamin K-dependent blood-clotting proteins, Factor XIa proteolysis of Factor IX does not require membrane surfaces.

Synonyms Human Factor XIa; Factor XIa

Product Information

Species Human

Source Human

Molecular Weight 160 kDa

Concentration 1.21 mg/ml

Buffer 4 mM sodium acetate-HCl/ 0.15 M NaCl/ pH 5.3

Storage and Shipping Information

Storage < -60°C