

## Factor Xa, Human Plasma

<b>CATALOG #:</b>	7689-400	400 µg
<b>ALTERNATE NAMES:</b>	Stuart factor, Stuart-Prower factor	
<b>SOURCE:</b>	Human Plasma. Prepared from Human Factor X by activation with Russell's Viper Venom. This RVV-X is removed after activation. Complete activation is observed by SDS-PAGE. Purified from Human plasma that was tested and found negative by FDA accepted methods for Anti-HIV1/2, Anti-HTLV I & II, HBsAg, Anti-HCV, Syphilis, HBC Ab, HIV-1 p24 Ag or HIV-1 RNA, HCV RNA and HBV RNA. Donors are screened for CJD (Creutzfeldt-Jakob Disease).	
<b>MOL. WEIGHT:</b>	46.00 kDa	
<b>PURITY:</b>	≥ 95% by SDS-PAGE; Shows no reduction upon incubation with 2-mercaptoethanol.	
<b>EXTINCTION COEFFICIENT (1%):</b>	11.6	
<b>FORM:</b>	Liquid	
<b>FORMULATION:</b>	In 20 mM Bis Tris, 0.7 M NaCl pH 6.0.	
<b>ACTIVITY:</b>	Lot dependent.	
<b>STORAGE CONDITIONS:</b>	Store at -60°C or lower. Avoid repeated freezing and thawing cycles.	
<b>DESCRIPTION:</b>	Factor Xa is a serine endoproteinase and a member of the S1 peptidase family. Factor Xa plays a critical role in the coagulation cascade by catalyzing the proteolytic conversion of prothrombin to active thrombin. Factor Xa's prothrombin conversion activity is greatly enhanced in vivo when complexed with Factor V, calcium ions and phospholipids on the activated platelet surface.	

**RELATED PRODUCTS:**

- Factor Va, Human Plasma (**Cat. No. 4098-10, 50**)
- Factor VII, Human Plasma (**Cat. No. 7686-100**)
- Factor VIIa, Human Plasma (**Cat. No. 7687-100**)
- Factor X, Human Plasma (**Cat. No. 7688-400**)
- Factor XII, Human Plasma (**Cat. No. 7690-250**)
- Factor XIIa, Human Plasma (**Cat. No. 7691-250**)

**FOR RESEARCH USE ONLY! Not to be used in humans.**