Factor XIIIa (Human)
0.25 mg

Ref#: HF13A
Lot#: xxxxxxx
Exp. Date: xxxx-xx

For Research Use Only
Not for Use in Diagnostic Procedures
For *in vitro* Use Only

Description:	Factor XIIIa (Human)
Format:	Frozen in 50 mM Tris-HCl / 1 mM EDTA / 10u/mL Aprotinin / 50 µM DTT / 50% Glycerol / pH 7.4
Host:	Human
Storage:	Store between -10 and -20°C
Volume:	1 vial containing 0.198 mL
Total Protein:	0.25 mg
Concentration:	1.26 mg/mL by Absorbance; Extinction Coefficient $E^{1\%}_{280}$ = 13.8
Activity:	2278.00 Loewy Units/mg
Molecular weight:	312,000 daltons

Human Factor XIII is a tetramer composed of two pairs of chains held together by noncovalent bonds. After activation of the zymogen via Thrombin to its active enzyme form, Factor XIIIa is responsible for catalyzing the formation of covalent bridges between fibrin units to increase the elasticity of the clot network. The resulting cross-linked fibrin is very insoluble and resistant to lysis.

This Factor XIII was activated with purified human alpha Thrombin which was subsequently removed via chromatography.

The above protein was purified from Human plasma that was tested and found negative by FDA accepted methods for Anti-HIV 1/2, 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 (Creutzfeld-Jakob Disease).

CoaChrom Diagnostica GmbH, Hauptstrasse 5, A-2344 Maria Enzersdorf, Austria | info@coachrom.com
www.coachrom.com | Tel: +43-1-2362221 or 0800-24 66 330 | Fax: +43-1-236 222111 or 0800-24 66 333