

F9

Native Human Factor IXa-beta

Catalog No.	CRF144B	Quantity:	0.5 mg
	CRF144C		2.5 mg

Alternate Names: FIX, HEMB, P19, PTC, THPH8

Description: Native Human Factor IXa is prepared from Human Factor IX by activation with Bovine Factor XIa. The Bovine Factor XIa is removed after activation. Complete activation is observed by SDS-PAGE. The Factor XIa activates Factor IX in a two-step reaction. In the first step, an internal Arg-Ala bond is cleaved, and in the second step, an Arg-Val bond is cleaved. The second cleavage leads to the liberation of an activation peptide from the NH₂-terminal portion of the heavy chain to produce Factor IXa-beta. Factor IXa-alpha has only the second cleavage at the Arg-Val bond with about half the coagulant activity of Human Factor IXa-beta. Complete activation is observed by SDS-PAGE. This protein purity is determined by SDS-PAGE and shows total reduction upon incubation with 2-mercaptoethanol. Factor IXa-alpha has only the second cleavage at the Arg-Val bond with about half the coagulant activity of Human Factor IXa beta.

Gene ID: 2158

Source: Human plasma

Molecular Weight: 45 kDa

Formulation: Frozen liquid in 0.02 M Tris-HCl + 0.1 M NaCl, pH 7.4

Purity: >95% by SDS-PAGE analysis

Specific Activity: 12,500 PEU/mg

Storage & Stability: Recommended storage at -80°C. Thaw rapidly in a 37°C water bath without allowing protein to warm to 37°C and immediately cool on ice. After first thaw, store in working aliquots at -80°C. Stable for 3 years from date of delivery. **Avoid repeated freeze-thaw cycles.**

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