



Product name:	Bovine FIX
Catalog #:	CFb002
Lot #:	XXXXXX

Source

Bovine; the product is derived from clinically healthy animals.

Background

Factor IX (FIX) is a vitamin K–dependent single-chain glycoprotein produced in the liver, that undergoes extensive posttranslational modification, to become a γ -carboxylated zymogen that is secreted into the blood. This carboxylation, that all of the vitamin K–dependent pro- and anticoagulants undergo, make these zymogens biologically active.

Buffer

In liquid state in 175 mM NaCl, 50 mM Tris-HCl, 0.02% NaN₃ (pH 7.9) or in requested buffer.

Recommended storage

Keep below -70°C. Stable for two years (see label for expiry date).

Delivery

Shipment on dry ice.

Concentration

Concentration is measured by OD and indicated on label.

Use

For research use only.

Purity

Greater than 95.0% as determined by SDS-PAGE.

Chemical properties

Property	Unit	
Molecular Weight	Da	55.000
Plasma concentration	$\mu\text{g/ml}$	4-5
Half life	hours	18-24
pI		3.7
EC ^{1%} _{1 cm, 280 nm}		12.0

Certification

Produced under ISO 9000-2015