
Product Data Sheet

Product Name: Prothrombin Bovine

Cat. No.: GP26327

Batch No.: 1

Product Data

Purity	>98%	Source	Bovine Plasma.
Physical Appearance	solid	Shipping Condition	atRoomtemp.
Synonyms	Coagulation factor II, Prothrombin, F2.		
Solubility	It is recommended to reconstitute the lyophilized Bovine Prothrombin in sterile 0.9% NaCl		
Formulation	The bovine prothrombin was lyophilized with no additives.		

Introduction

Prothrombin produced in the liver is a vitamin K-dependent plasma protein. Before prothrombin is secreted into the plasma it goes through post translational modification by vitamin K-dependent carboxylase. The vitamin K-dependent carboxylase converts prothrombin to 10 glutamic acid residues to gamma carboxyglutamic acid. Prothrombin comprises of 2 kringle regions which are found among residues a.a. 40 & 270 of the mature plasma protein and substitute the growth factor domains located in numerous plasma serine proteases.

Stability

Lyophilized Bovine Prothrombin although stable at room temperature for 3 weeks, should be stored desiccated below -18C. Upon reconstitution Prothrombin should be stored at 4C between 2-7 days and for future use below -18C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles

Background

Prothrombin bovine native.

Caution: Product has not been fully validated for medical applications. For research use only.

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