

LYOPHILIZED CALIBRATORS AND CONTROLS

SPECIALTY CONTROLS

FACTOR XIa

CONTROLS

Factor XIa Control

Colorimetric assay



Informations

Factor XI (FXI) is a protein synthesized by the liver. It participates in the contact phase which initiates the intrinsic coagulation pathway. It is activated by FXIIa to factor FXIa which will itself activate FIX in the presence of calcium ions.

Purified preparation of Factor XIa for the ROX FXIa kit, titrated against the WHO international standard.

Quality control plasma for the determination of FXIa in hemostasis.



Components

- 10 vials of 4 mL of freeze-dried plasma

Method / Application

The FIXa formed activates FX to FXa in the presence of FVIII, thrombin, phospholipids and calcium ions. The amount of FXa generated is determined by the hydrolysis of a chromogenic substrate of FXa.

The amount of para-nitroaniline released during this hydrolysis and measured at 405 nm is proportional to the concentration of FIXa in the reaction medium.

Characteristics

Calibration of the human FXIa lyophilisate was carried out using the international standard NIBSC 11/236 used in the ROX Factor XIa kit. The ROX FACTOR XIa is a quantitative enzymatic and chromogenic assay kit for the determination of FXI activity in concentrates of human FXI.