

ACTIVATED FACTOR ASSAYS

CHROMOGENIC ASSAYS

FACTOR IXa

COLORIMETRIC ASSAYS

Rox FIX-A

Colorimetric assay



Associated products

Factor IXa Calibrator

Factor IXa Control

Tris BSA

Informations

FIX is a vitamin K dependent glycoprotein synthesized by the liver. FIX can be activated to FIX in FIXa by FXIa or by FVIIa in the presence of phospholipids and calcium.

A person who is deficient in FIX has hemophilia B.

Reference	Presentation	Number of tests
5-950030	Kit	2 x 50

Enzymatic assay kit for human Factor IXa in human Factor IX concentrates.

The Rox Factor IXa kit contains reagents for the colorimetric determination of the activity of FIXa in plasma and in plasma derivatives.

Dilution buffer : additional bottles can be ordered under reference 5-9550, specifying the batch number of the box within the limit of available stocks.

Components

- 2 vials x reagent A (lyophilized human FVIII and FX)
- 2 vials x reagent B (lyophilized human thrombin, CaCl₂ and phospholipids)
- 1 vial x FXa Chromogenic Substrate (6 mL)
- 1 vial x FIXa dilution buffer (20 mL)

Method / Application

The ROX FIX-A is a chromogenic enzymatic assay kit for the determination of very small amounts of FIXa in human FIX concentrates. The results are expressed in IU. The very low presence of FIXa can be measured. (Specialized hemostasis).

This method is based on the activation of FX by FIXa (considered a contaminant in FIX concentrate) in the presence of FVIII, thrombin, phospholipids and calcium ions.

The amount of FXa generated is determined by hydrolysis of a chromogenic substrate for FXa. The quantity of para-nitroaniline released during this hydrolysis and measured at 405 nm is proportional to the concentration of FIXa in the reaction medium.

Characteristics

- Linearity between 0.02 and 0.8 mIU / mL
- Limit of quantification = 0.02 mIU FIXa / mIU FIX
- The sensitivity of 0.005% is much better than that of the NAPTT method
- Reagents stable 48 h at 2-8 °C
- Calibrator and control provided

