



ACTICHROME® TFPI



Informations

For people with a documented thrombotic event and a family history of thrombosis, assaying for clotting factor activity is crucial in diagnosing the disease.

Deficiencies in natural anticoagulants can lead to venous thrombosis: superficial venous thrombosis, deep vein thrombosis and pulmonary embolism. Specific coagulation factors released by vascular endothelium, thrombomodulin, and tissue factor pathway inhibitor provide information on endothelial dysfunction.

ACTICHROME® TFPI is a kit for the chromogenic assay of TFPI activity in human plasma.

ACTICHROME® TFPI is a kit for the chromogenic assay of the activity of the Tissue Factor Pathway Inhibitor (TFPI, or EPI, LACI1) in human plasma where the latter has an inhibitory effect on the Tissue Factor complex-FVIIa.

Components

- Reference plasma TFPI : 1 vial x 0.5 mL, 1 U/mL (lyophilized)
- TFPI-depleted plasma : 2 vials x 0.5 mL (lyophilized)
- Human X factor : 1 vial x 25 µg (lyophilized)
- Lipid-replenished human tissue factor : 1 vial x 50 ng (lyophilized)
- Human Factor VIIa : 1 vial (lyophilized)
- SPECTROZYME® FXa, substrate : 1 vial x 5 µmol (lyophilized)
- Reaction buffer : 1 vial x 5 mL, 5 x concentrate
- TFPI Standard : 1 vial x 0.2 U/mL (lyophilized)

Advantages

The lyophilized presentation allows greater stability until the expiration date.

Characteristics

The ACTICHROME®TFPI kit measures the capacity of TFPI to inhibit the catalytic activity of the FT / FVIIa complex which activates FX in Xa. After incubation of the samples to be tested with FT / FVIIa and factor X, the residual activity of the FT/FVIIa complex is measured using a chromogenic substrate highly specific for factor Xa, which releases, after cleavage by FXa, a para-nitroaniline chromophore group (pNA).

The absorbance of pNA in the solution is measured at 405 nm and the values obtained are compared to those of a standard line plotted using known activity levels of TFPI.

This test can be carried out by kinetic or end point method. This set is intended for research use. It is not recommended for diagnostic or therapeutic use.