

THROMBOPHILIA

ANTITHROMBIN

COLORIMETRIC ASSAYS

Colorimetric assay

TECHNOCHROM® ATIII analyzer Kit



Associated products

Coagulation Control A

Coagulation Control N

Coagulation Reference

Informations

Previously called antithrombin III (abbreviated AT III), human antithrombin is one of the major physiological inhibitors of coagulation.

A natural serine protease inhibitor, antithrombin acts mainly on thrombin (IIa) and activated Factor X (FXa), as well as on activated forms of Factors IX, XI and XII.

This reaction is catalyzed by heparin. The normal level of antithrombin is between 80 and 120% in adults and it is about half in newborns.

Antithrombin deficiency predisposes to thrombosis.

Reference	Presentation	Number of tests
4-5340224	Kit	100

Functional antithrombin chromogenic assay kit.

The TECHNOCHROM® AT III modular reagent is a system of reagents for the chromogenic determination optimized for the manual method.

Components

- 1 vial x reagent A2 (43 IU thrombin / vial)
- 1 vial x reagent Th-1 (10 µmol / vial of chromogenic substrate)
- 2 vials x 0.9% sodium chloride (25 mL)

Advantages

- Linearity is between 0% and 130% Kinetic method for hemostasis analyzer
- All components can be purchased separately
- After reconstitution 4 weeks stability at room temperature

Characteristics

The Technochrom® ATIII method is based on the inhibition of an excess but constant amount of thrombin by the heparin-antithrombin complex and then by the hydrolysis of a chromogenic substrate by the residual thrombin.

The amount of para-nitroaniline released during this hydrolysis and measured at 405 nm is inversely proportional to the concentration of antithrombin present in the reaction medium. (Specialized hemostasis)

