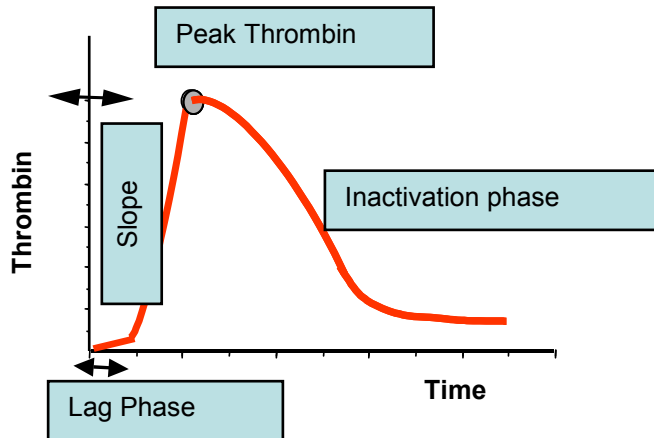


TECHNOTHROMBIN® TGA is a **Thrombin Generation Assay (TGA)** based on monitoring the formation of thrombin by means of a fluorogenic substrate upon activation of the coagulation cascade by tissue factor. This assay can be used to research thrombin generation in bleeding and clotting studies.

TEST PRINCIPLE For Research Use Only



The use of **TECHNOTHROMBIN® TGA** for such diverse applications is made possible because **TECHNOTHROMBIN® TGA** measures the whole kinetics of thrombin generation not only during the initiation phase of thrombin formation with the end point fibrin formation, but also during the phase of down regulation of thrombin formation and inactivation of the formed thrombin. **TECHNOTHROMBIN® TGA** is therefore an universal tool to be used in the research of the hemostatic system.

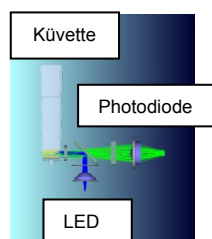
QUANTITATIVE MEASUREMENT OF THROMBIN GENERATION

The new automated analyser **CEVERON® alpha** with a TGA module is equipped with a fluorescence measurement module and thus suitable for assays such as **TECHNOTHROMBIN® TGA**. With **CEVERON® alpha**, standard clotting tests and thrombin generation assays can be performed.



Measuring principal of TGA modules

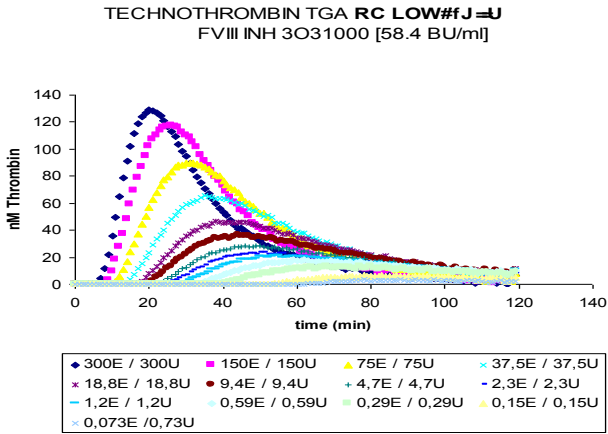
Thrombin Generation is measured with a special adapted TGA fluorimetric module which is placed over the cuvette rotor. With an UV emitter (360 nm) placed in the module, thrombin generation can then be measured.



Alternatively, this assay can be performed manually and measured using a fluorescence reader. Applications and evaluation software are available for the most established readers.

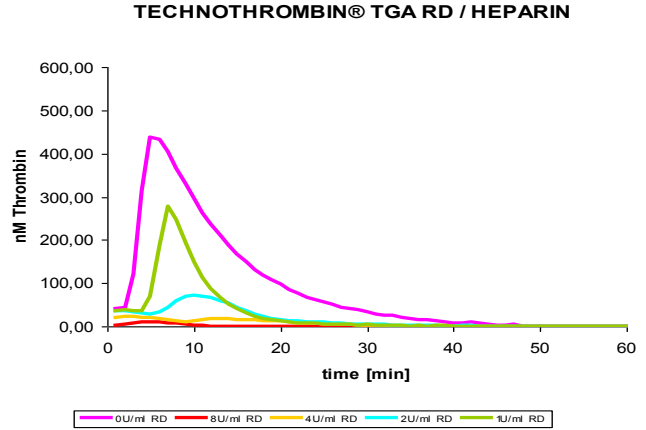
FVIII INHIBITOR ANALYSIS

Application dependent reconstitution of thrombin generation potential in Factor VIII inhibitor plasma after addition of FEIBA (Factor Eight Inhibitor Bypassing Activity) or rFVIIa.



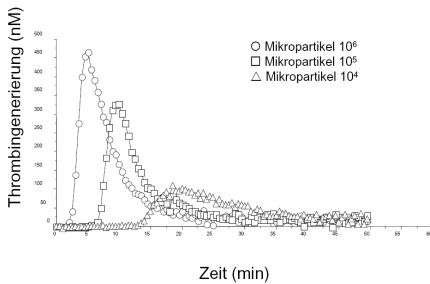
HEPARIN ANALYSIS

Application dependent decrease of thrombin generation potential in plasma after addition of different heparin or direct Xa inhibitor concentrations.



THROMBIN GENERATION BY MICRO PARTICLES

Mikropartikel induzierte Thrombingenerierung / TGA RA



Thrombin generation induced by micro particles can be measured by the TECHNOTHROMBIN® TGA assay.

The amount of thrombin generated is dependent on the number of micro particles present in the sample.

TECHNOTHROMBIN TGA TRIGGER

Reagent	Purpose
TGA RA	- to study the activity of circulating micro particles contained in platelet poor plasma
TGA RB, RC Low	- research in thrombophilia tendency
TGA RC High	- anticoagulation studies
TGA RD	- heparin studies, direct thrombin and Xa inhibitor research

REF 5006010 TECHNOTHROMBIN® TGA Kit 3x16T.

ADDITIONAL AVAILABLE PRODUCTS:

Modular reagents

REF 5006205	TECHNOTHROMBIN® TGA RA	5 x 0.5 mL
REF 5006206	TECHNOTHROMBIN® TGA RA	50 x 0.5 mL
REF 5006209	TECHNOTHROMBIN® TGA RB	5 x 0.5 mL
REF 5006210	TECHNOTHROMBIN® TGA RB	50 x 0.5 mL
REF 5006212	TECHNOTHROMBIN® TGA RC Low	5 x 0.5 mL
REF 5006213	TECHNOTHROMBIN® TGA RC Low	50 x 0.5 mL
REF 5006214	TECHNOTHROMBIN® TGA RC High	5 x 0.5 mL
REF 5006216	TECHNOTHROMBIN® TGA RC High	50 x 0.5 mL
REF 5006220	TECHNOTHROMBIN® TGA RD	5 x 1.5 mL
REF 5006222	TECHNOTHROMBIN® TGA RD	50 x 1.5 mL
REF 5006235	TECHNOTHROMBIN® TGA SUB	5 x 1.5 mL
REF 5006230	TECHNOTHROMBIN® TGA SUB	50 x 1.5 mL

Additional Controls

REF 5006320	TECHNOTHROMBIN® TGA Control High	5 x 1 mL
REF 5006330	TECHNOTHROMBIN® TGA Control Low	5 x 1 mL
REF 5006345	TECHNOTHROMBIN® TGA CAL Set	1 Set

For TGA Reagents for Ceveron® alpha see separate brochure.

DISTRIBUTION IN US AND CANADA



8948 Beckett Road | West Chester, Ohio 45069
www.diapharma.com | info@diapharma.com
Customer Support Services: **1 800 526 5224**
Technical Support Services: **1 800 477 3846**

TGA001D.014 06/2013

Technoclone GmbH

Brunner Str. 67 | 1230 Vienna | Austria

Tel: +43 1 86 373-0 | Fax: +43 1 86373-44

sales@technoclone.com | www.technoclone.com

