

Package size	Product number
3 x 16 tests	5006010

Reagent Kits

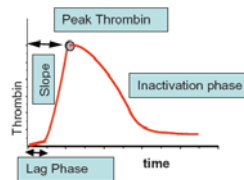
TECHNOTHROMBIN® TGA Kit

The TECHNOTHROMBIN® TGA kit is an assay system for determination of thrombin generation over time in plasma (PPP or PRP) upon activation of the clotting cascade by micelles of negatively charged phospholipids containing different amounts of human tissue factor and CaCl₂.

The kit can be used:

- to monitor hemophiliacs during inhibitor bypassing therapy
- to monitor anticoagulation therapy and to calculate INR values for patients
- to determine states of bleeding disorders or thrombophilia
- to determine the activity of circulating micro particles.

This broad range of applications is made possible by providing different tissue factor concentrations and by monitoring the whole kinetics of thrombin generation during initiation, amplification and down regulation of thrombin formation.



TECHNOTHROMBIN® TGA is therefore a universal assay kit for analysis and monitoring the functioning of the haemostatic system.

The TECHNOTHROMBIN® TGA Kit contains :

mL	reagent	description
3 x 1.5	TGA substrate	Fluorogenic substrate 1 mM Z-G-G-R-AMC, 15 mM CaCl ₂
1 x 3	TGA buffer	Hepes-NaCl-buffer containing 1% bovine serum albumin
1 x 0.5	TGA thrombin calibrator	~1.000 nM thrombin in buffer with BSA
1 x 0.5	TGA reagent B (RB)	Low conc. of phospholipid micelles containing 17.9 pM rhTF in Tris-Hepes-NaCl buffer
1 x 0.5	TGA reagent C Low (RC Low)	Low conc. of phospholipid micelles containing 71.6 pM rhTF in Tris-Hepes-NaCl buffer
1 x 0.5	TGA reagent C High (RCHigh)	High conc. of phospholipid micelles containing 71.6 pM rhTF in Tris-Hepes-NaCl buffer
1 x 1	TGA control 1 (C1)	Normal human plasma, Iyo.
1 x 1	TGA control 2 (C2)	Human plasma with increased thrombin generation, Iyo.
1 x 1	TGA control 3 (C3)	Human plasma with decreased thrombin generation, Iyo.

Each reagents are available on a modular basis. A micro particle free control is available additionally.

The test can be performed on a fluorogenic microtiter plate reader or automated using our new **CEVERON® alpha** (see separate folder) fully automated coagulation analyzer with fluorogenic capability.

Package size	Product number
48 tests	5006015 Available late 2007

TECHNOTHROMBIN® TGA Kit WB

The TECHNOTHROMBIN® TGA kit is an assay system for determination of thrombin generation over time in whole blood (WB) upon activation of the clotting cascade by micelles of negatively charged phospholipids containing tissue factor and CaCl₂.

The TECHNOTHROMBIN® TGA WB Kit contains :

mL	reagent	description
3 x 1.5	TGA substrate LPI	Fluorogenic LPI substrate 1 mM Z-G-G-R-AMC, 15 mM CaCl ₂
1 x 3	TGA buffer	Hepes-NaCl-buffer containing 1% bovine serum albumin
1 x 0.5	TGA thrombin calibrator	~1.000 nM thrombin in buffer with BSA
3 x 0.5	TGA reagent C High (RCHigh)	High conc. of phospholipid micelles containing 71.6 pM rhTF in Tris-Hepes-NaCl buffer
1 x 1	TGA control 1 (C1)	Normal human plasma, Iyo.
1 x 1	TGA control 2 (C2)	Human plasma with increased thrombin generation, Iyo.
1 x 1	TGA control 3 (C3)	Human plasma with decreased thrombin generation, Iyo.

Each reagents are available on a modular basis.

Modular reagents

TECHNOTHROMBIN® TGA RA

TECHNOTHROMBIN® TGA reagent A (RA).
Low conc. phospholipid micelles without tissue factor in Tris-Hepes-NaCl buffer.

TECHNOTHROMBIN® TGA RB

TECHNOTHROMBIN® TGA reagent B (RB).
Low conc. of phospholipid micelles containing 17.9 pM rhTF in Tris-Hepes-NaCl buffer.

TECHNOTHROMBIN® TGA RC Low

TECHNOTHROMBIN® TGA reagent C Low (RC Low).
Low conc. of phospholipid micelles containing 71.6 pM rhTF in Tris-Hepes-NaCl buffer.

TECHNOTHROMBIN® TGA RC High

TECHNOTHROMBIN® TGA reagent C High (RC High).
High conc. of phospholipid micelles containing 71.6 pM rhTF in Tris-Hepes-NaCl buffer.

TECHNOTHROMBIN® TGA SUB

TECHNOTHROMBIN® TGA Fluorogenic substrate (SUB)
1 mM Z-G-G-R-AMC, 15 mM CaCl₂ for plasma samples.

TECHNOTHROMBIN® TGA SUB LPI

TECHNOTHROMBIN® TGA Fluorogenic substrate (SUB LPI)
with LPI. 1 mM Z-G-G-R-AMC, 15 mM CaCl₂ for whole blood samples.

Product number	Package size
5006205	5 x 0.5 mL
5006206	50 x 0.5 mL

Product number	Package size
5006209	5 x 0.5 mL
5006210	50 x 0.5 mL

Product number	Package size
5006212	5 x 0.5 mL
5006213	50 x 0.5 mL

Product number	Package size
5006214	5 x 0.5 mL
5006216	50 x 0.5 mL

Product number	Package size
5006235	5 x 1.5 mL
5006230	50 x 1.5 mL

Product number	Package size
5006237	5 x 1.5 mL
5006239	50 x 1.5 mL

Controls and Calibrator

TECHNOTHROMBIN® TGA C1

TECHNOTHROMBIN® TGA control 1 (C1).
Normal human control plasma, Iyo.

TECHNOTHROMBIN® TGA C2

TECHNOTHROMBIN® TGA thrombophilia control 2 (C2).
Human plasma with increased thrombin generation, Iyo.

TECHNOTHROMBIN® TGA C3

TECHNOTHROMBIN® TGA anticoagulation control 3 (C3).
Human plasma with decreased thrombin generation, Iyo.

TECHNOTHROMBIN® TGA MFC

TECHNOTHROMBIN® TGA MFC is a micro particle free normal control plasma suitable for determining thrombin generation by micro particles.

TECHNOTHROMBIN® TGA Calibrator Set

TECHNOTHROMBIN® TGA Calibrator Set contains 1 x 3 mL TGA buffer and 1 x 0.5 mL TGA thrombin calibrator.

Product number	Package size
5006310	5 x 1 mL

Product number	Package size
5006320	5 x 1 mL

Product number	Package size
5006330	5 x 1 mL

Product number	Package size
5006350	5 x 0.5 mL

Product number	Package size
5006345 NEW	1 Set