TECHNOTHROMBIN® TGA
(THROMBIN GENERATION ASSAY)

Give thrombotic potential a number.

**TEST PRINCIPLE**

- Based on monitoring the formation of thrombin by means of a fluorogenic substrate upon activation of the coagulation cascade by tissue factor
- Diverse applications - measures whole kinetics of thrombin generation
- Universal tool to be used in bleeding and clotting studies
- Separate calibration sample not required
- Measure multiple parameters: Lag time, velocity, peak thrombin, AUC

**TECHNOTHROMBIN® TGA TRIGGER**

<table>
<thead>
<tr>
<th>Reagent</th>
<th>Purpose</th>
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</thead>
<tbody>
<tr>
<td>TGA RA</td>
<td>To study the activity of circulating micro-particles contained in platelet-poor plasma</td>
</tr>
<tr>
<td>TGA RB, RC Low</td>
<td>Research thrombophilic tendency and FVIII inhibitors</td>
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<tr>
<td>TGA RC High</td>
<td>Anticoagulation studies</td>
</tr>
<tr>
<td>TGA RD</td>
<td>Heparin studies, direct thrombin and Xa inhibitor research</td>
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</tbody>
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For research use only in the US and Canada
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.

ANTICOAGULANT ANALYSIS

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

THROMBIN GENERATION BY MICROPARTICLES

Thrombin generation induced by microparticles 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.

QUANTITATIVE MEASUREMENT OF THROMBIN GENERATION

- CEVERON(r) alpha with TGA module offers walk-away fluorescence for TGA
- Just reconstitute reagents and start
- Superior instrumentation and LED lamp for continuous fluorogenic measurements at 37°C
- Can be used with fluorescent readers with 360 nm excitation/ 460 nm emission filters

DESCRIPTION

- TECHNOTHROMBIN® TGA Kit
- TECHNOTHROMBIN® TGA RA
- TECHNOTHROMBIN® TGA RA
- TECHNOTHROMBIN® TGA RB
- TECHNOTHROMBIN® TGA RB
- TECHNOTHROMBIN® TGA RC Low
- TECHNOTHROMBIN® TGA RC Low
- TECHNOTHROMBIN® TGA RC High
- TECHNOTHROMBIN® TGA RC High
- TECHNOTHROMBIN® TGA RD
- TECHNOTHROMBIN® TGA RD
- TECHNOTHROMBIN® TGA SUB
- TECHNOTHROMBIN® TGA SUB

MODULAR REAGENTS

- TECHNOTHROMBIN® TGA RA
- TECHNOTHROMBIN® TGA RA
- TECHNOTHROMBIN® TGA RB
- TECHNOTHROMBIN® TGA RB
- TECHNOTHROMBIN® TGA RC Low
- TECHNOTHROMBIN® TGA RC Low
- TECHNOTHROMBIN® TGA RC High
- TECHNOTHROMBIN® TGA RC High
- TECHNOTHROMBIN® TGA RD
- TECHNOTHROMBIN® TGA RD
- TECHNOTHROMBIN® TGA SUB
- TECHNOTHROMBIN® TGA SUB

REFERENCE & PACKAGING

- 5006010 * 3x16T
- 5006205 * 5 x 0.5 mL
- 5006206 * 50 x 0.5 mL
- 5006209 * 5 x 0.5 mL
- 5006210 * 50 x 0.5 mL
- 5006212 * 5 x 0.5 mL
- 5006213 * 50 x 0.5 mL
- 5006214 * 5 x 0.5 mL
- 5006216 * 50 x 0.5 mL
- 5006220 * 5 x 1.5 mL
- 5006222 * 50 x 1.5 mL
- 5006235 * 5 x 1.5 mL
- 5006230 * 50 x 1.5 mL

ADDITIONAL CONTROLS

- TECHNOTHROMBIN® TGA Control High
- TECHNOTHROMBIN® TGA Control Low
- TECHNOTHROMBIN® TGA CAL Set

Customer Service 800.526.5224
Technical Support 800.447.3846
diapharma.com

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