

NAME	CAT NR.	KIT CONTENT	PACKAGING	STABILITY ON BOARD	COMPOSITION
ST Genesis	86814	1 instrument with accessories and documentation			
STG-ThromboScreen	01133	STG-ThromboScreen -TM	3 x 1 mL	8H	Human TF at medium picomolar level balanced for sensitivity to deficiencies in natural anticoagulants. No interfering contact activation Procoagulant phospholipids Measure ETP inhibition by Thrombomodulin / PC pathway
		STG-ThromboScreen +TM			
		STG-RefPlasma TS		4H	
		STG-QualiTest Low TS			
		STG-QualiTest Norm TS			
STG-QualiTest High TS					
STG-BleedScreen*	01277	STG-BleedScreen	3 x 1 mL	8H	Human TF at low picomolar level, balanced for minimising contact activation Procoagulant phospholipids
		STG-RefPlasma BLS		4H	
		STG-QualiTest Low BLS			
STG-QualiTest Norm BLS					
STG-DrugScreen*	01278	STG-DrugScreen	3 x 1 mL	8H	Human TF at high picomolar levels Procoagulant phospholipids
		STG-RefPlasma DS		4H	
		STG-QualiTest Low DS			
		STG-QualiTest Norm DS			
STG-Cal&Fluo	01141	STG-ThrombiCal	3 x 2 mL	8H	STG-Thrombical: Fixed amount of thrombin STG-Fluostart: Ca ²⁺ and fluorogenic substrate (Z-GGR-AMC) STG-Fluaset: Fixed amount of fluorochrome (AMC)
		STG-FluoStart		8H	
		STG-FluoSet			
STG-ThrombiClean	01140	STG-ThrombiClean	6 x 2 mL	4H	Decontaminating solution
STG-Cuvettes	86800	12 racks (40 cuvettes each)	12 x 40		NA
STG-CuvetteWaste	86801	6 removable bins (80 cuvettes capacity each)	6 x 80		NA
STA-Cleaner Solution	00973	6 bottles of STA-Cleaner Solution	6 x 2.5L	2 weeks	Cleaning solution

Availability depending upon countries
*For research use only, CE mark pending

Bibliography

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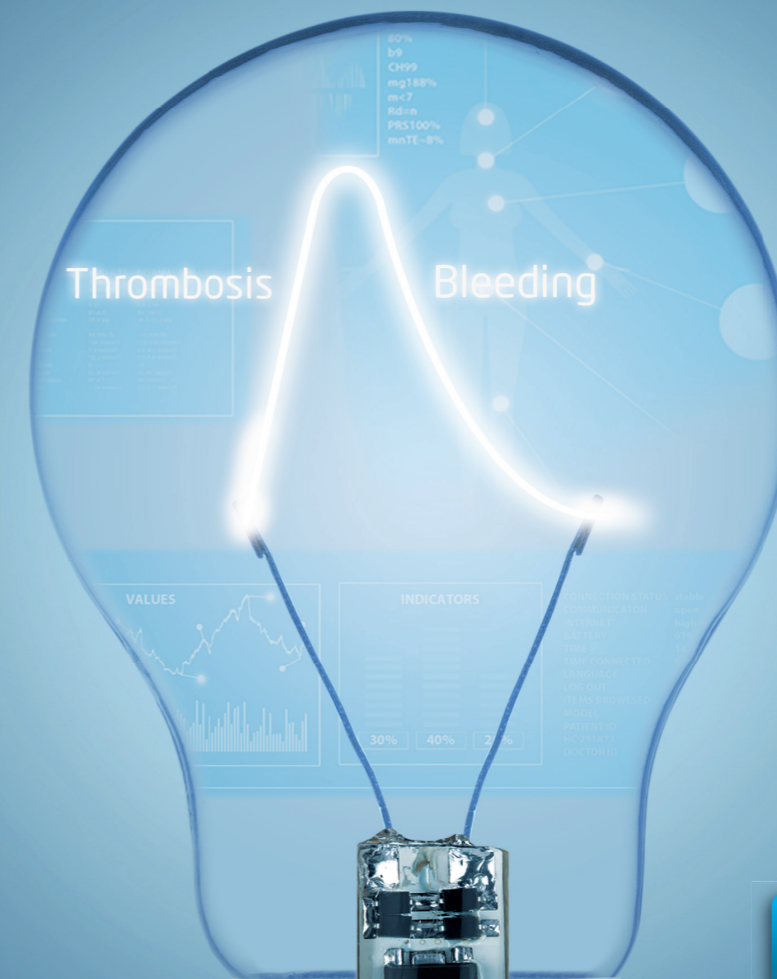
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ST Genesisia



Innovation



Automated System



Complete Solution



Standardisation

Bring Haemostasis to light





Complete Solution

Breakthrough innovation in Thrombin Generation (TG)

ST Genesis: a complete solution



Standardisation

- **Precise temperature control** at 37°C
- **Assayed Reference Plasma** for result normalisation and improved lab to lab reproducibility
- **Specific features:** 6 TG parameters + ETP inhibition
 - Both in absolute & normalised units
 - All parameters calculated automatically
- **3 QC levels** to cover the entire working range
- **Trigger reagents and QC combined** for improvement of standardisation



Automated System

- **Positive identification** & continuous loading of reagents, samples & disposables
- **Unitary cuvettes** preloaded on trays
- **Routine features:** Calibration & QC management (Westgard rules included), complete traceability and STAT samples
- **User friendly interface** with secured access



Innovation

- **New patented calibration method:** only once daily required, insensitive to anticoagulant drugs
- **Optimised reagents** for hypo-, hyper-coagulable & samples containing anticoagulant
- **Protein C pathway** function assessed by Thrombomodulin reagent
- **Ready to use** fluorescent substrate



STG-ThromboScreen

- 1 trigger with Thrombomodulin (TM)
- 1 trigger without TM
- Medium amount of Tissue Factor (TF)
- Reference Plasma & 3 QC
- Up to 3 series



STG-DrugScreen*

- 1 trigger with high amount of TF
- Reference Plasma & 2 QC
- Up to 3 series

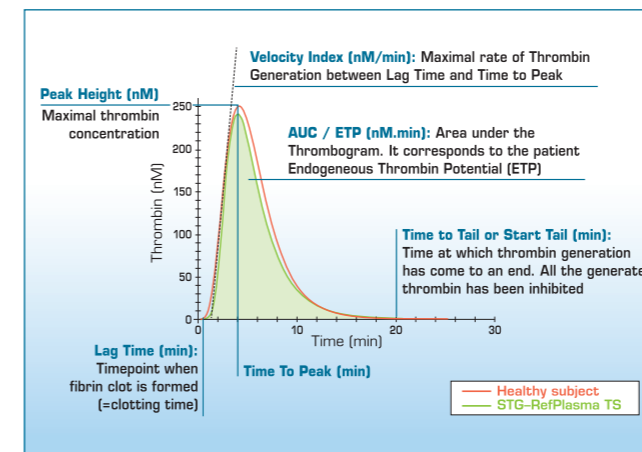


STG-BleedScreen*

- 1 trigger with low amount of TF
- Reference Plasma & 2 QC
- Up to 3 series

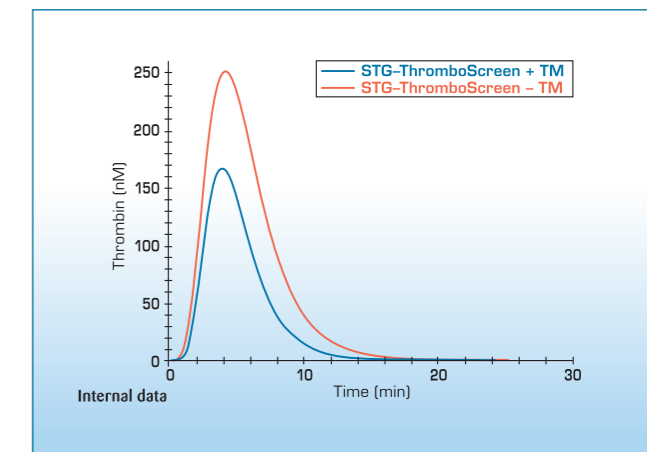
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Thrombogram with 6 parameters



Correction for α2-macroglobulin included

ETP inhibition (%)

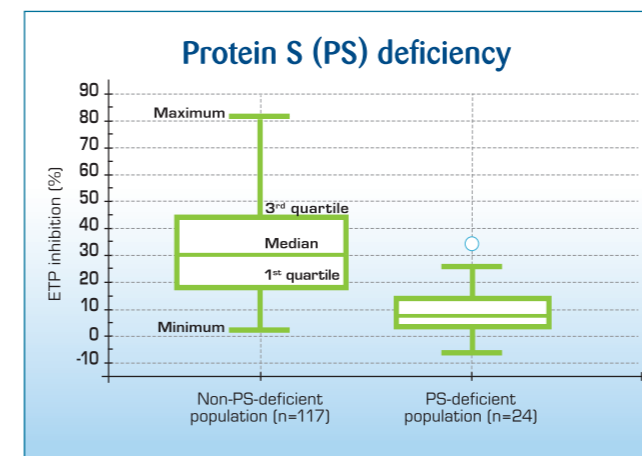


Protein C pathway function assessed by Thrombomodulin reagent

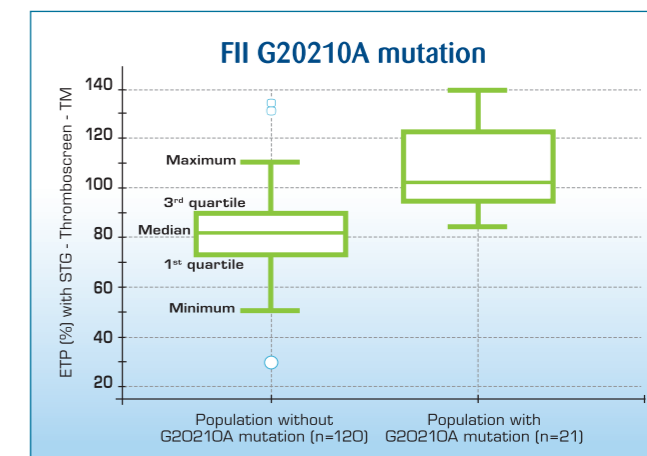
New patented calibration method

- Converts fluorescence units into thrombin concentration, correcting for substrate consumption and inner filter effect
- Calibration required once daily
- Allows for fluorescence correction caused by optical characteristics of individual sample
- No interference from direct thrombin inhibitors

Clinical performance



ETP inhibition boxplots on patients without and with Protein S deficiency



ETP with STG-ThromboScreen -TM boxplots on patients without and with G20210A mutation



STG-Cal&Fluo

- Calibrator with known concentration of thrombin
- Reagent with fluorogenic substrate & Ca²⁺
- Correcting reagent with known concentration of fluorophore (AMC)
- Up to 3 series



STG-ThrombiClean

- Cleaning reagent
- 6 vials