
2017

# BNL Haemostasis

## Catalogue

Stago

# Haemoscore, iHemostasis
# **Discover the New Stago Applications!**

ANDROID APP ON Google play

Available on the App Store


# Summary

## SYSTEMS



## DISPOSABLES & AUXILIARY MATERIALS



## REAGENTS



## RESEARCH PRODUCTS

# Systems

This catalogue contains information on product wich is targeted to a wide range of audiences and could contain product details or information concerning goods which are not accessible or valid in your country.

# NEW STA R MAX® 2

**Second version of the high-end instrument from the "Max Generation", the new STA R Max 2® is part of the Stago's approach** to design innovating systems that meet the needs of biologists and clinicians.

**Combining Viscosity-Based Detection System and new EPC module, laboratories will benefit from the most robust detection system for clotting assays** and from an automated pre-analytical check ensuring high quality of results.

Time saving and quality improvement while maintaining high performance is part of the objectives sought for the STA R Max® 2. **Increased throughput, higher loading capacity, real time and proactive alerts, reduced user maintenance** will provide efficiency and productivity to operators.

Its new software features will bring security, traceability and expertise to every lab: user rights management to deal with staff authorisations, audit trail feature, Expert rules to standardise patient results validation and tools to support accreditation process.

**Innovative and scalable,** STA R Max® 2 will fit all lab organisations, connected to an automation track system or not, streamlining sample management and workflow.

## DISPOSABLES & AUXILIARY MATERIALS p. 22

## SUPPLIED WITH:

- 1 accessory pack
- 1 21.5" LCD touch screen
- 1 computer table

## TO ORDER:

**AZERTY Keyboard 230 V 50 Hz**

**58857 >** STA R Max® 2
**58856 >** STA R Max® 2 cap piercing
**58855 >** STA R Max® 2 & STA Coag Expert®
**58854 >** STA R Max® 2 cap piercing & STA Coag Expert®

# CHARACTERISTICS

- New hardware design enhances ergonomics of use
- Intuitive user interface ensures a seamless integration for the laboratory staff, standardised on all Stago systems
- Autoverification capabilities & expert rules available on demand on the optional STA Coag Expert® to automate laboratory processes
- User rights management with log history to restrict access to authorised personnel only
- Extended traceability enhances regulatory compliance
- Routine and specialised tests with random access capability
- Adaptable to all laboratory organisation
- Wide range of ready-to-use liquid reagents
- Highest onboard loading capacity: 215 samples, 73 reagents, 1 000 cuvettes
- High throughput, even with a mixed panel of tests
- True STAT management
- Real time and proactive alerts on QC, TAT and maintenance status
- Optimised and reduced user maintenance
- Sample integrity verification to ensure quality of results thanks to the Expert Preanalytical Check module (EPC module) providing fill volume check feature for any type of tube, detection of haemolysis, icterus and lipemia which may affect chromogenic and immuno-turbidimetric tests and clotting assays with haemolysis potential biological impact: no extra volume, no impact on throughput, large measurement range without any dilution
- Viscosity-Based (Mechanical) Detection System consistently delivers accurate results immediately, exclusive technology standardised on all Stago systems, insensitive to analytical interferences from haemolysis, icteric and lipemic samples for clotting assays, maximum precision for weak clot detection.

# PARAMETERS:

- PT
- APTT
- Fibrinogen
- Thrombin Time
- Reptilase Time
- Extrinsic pathway factors
- Intrinsic pathway factors
- Factor XIII
- Anti-Xa (UFH, LMWH, Rivaroxaban...)
- Anti-IIa
- D-Dimers, Fibrin Monomers and Fibrin Degradation Products
- Antithrombin
- Protein C
- Activated Protein C Resistance
- Protein S
- Lupus Anticoagulants
- VWF
- Microparticles
- Plasminogen, Antiplasmin and TAFI
- Calibrators
- Quality Controls

*Olivier Q. - Middleware Team Manager*

*"The health ecosystem is rapidly evolving and the management of the data generated by the IVD device and software is more and more crucial. To proactively support our customers, Stago has integrated new skills and positions such as the middleware specialists team created in 2012".*

**QWERTY Keyboard 120 V 60 Hz**
**58863 >** STA R Max® 2
**58862 >** STA R Max® 2 cap piercing
**58861 >** STA R Max® 2 & STA Coag Expert®
**58860 >** STA R Max® 2 cap piercing & STA Coag Expert®

**QWERTY Keyboard 230 V 60 Hz**
**58867 >** STA R Max® 2
**58866 >** STA R Max® 2 cap piercing
**58865 >** STA R Max® 2 & STA Coag Expert®
**58864 >** STA R Max® 2 cap piercing & STA Coag Expert®


# STA Compact Max® 2

**The "Max Generation" instrument family is again expanding with our new STA Compact Max® 2.**

**Second generation** of the STA Compact Max®, it now **includes the new STA Coag Expert® software** in order to be totally standardised with the STA R Max® 2 and optimise user-friendliness across multi-site labs.

Designed for mid-volume throughput labs, the STA Compact Max® 2 has been designed to further improve its **robustness to reduce user maintenance operations.**

**With new hardware design and improved ergonomics, the STA Compact Max® 2 will optimise your productivity.** Its new software features will bring expertise to every lab: Expert rules to standardise patient results validation and extended traceability to meet quality requirements.

Samples and reagents management have additionally been enhanced and streamlined with a new cap piercing module enlarging sample tubes compatibility and new software features providing **more flexibility to manage multiple lots and calibration curves on-board.**

**DISPOSABLES & AUXILIARY MATERIALS**
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**SUPPLIED WITH:**
- 1 accessory pack
- 1 22'' LCD screen

# CHARACTERISTICS

- Extended loading capacity: 96 samples, 45 reagents, 1000 cuvettes on-board
- True STAT management without any impact on the instrument throughput
- Positive sample and reagent identifications
- Autoverification capabilities
- Automatic management of dilutions, reruns, reflex testing and add-ons
- Ready to operate 24/7 availability and no time required to restart
- Improved ergonomic design
- Optimised and reduced user maintenance operations
- Intuitive and standardised user interface within the Max Generation
- Expert rules available upon request
- Extended traceability meeting quality requirements
- Operator safety and security with a new cap piercing 4th generation (optional)
- Comprehensive menu of tests and precalibration feature for all routine assays
- Viscosity-Based (mechanical) Detection System: Immediate delivery of accurate and precise results for any type of coloured plasma, maximum precision for weak clot detection and standardisation between Stago systems.

# PARAMETERS:

- PT
- APTT
- Fibrinogen
- Thrombin Time
- Reptilase Time
- Extrinsic pathway factors
- Intrinsic pathway factors
- Factor XIII
- Anti-Xa (UFH, LMWH, Rivaroxaban...)
- Anti-IIa
- D-Dimers, Fibrin Monomers and Fibrin Degradation Products
- Antithrombin
- Protein C
- Activated Protein C Resistance
- Protein S
- Lupus Anticoagulants
- VWF
- Microparticles
- Plasminogen, Antiplasmin and TAFI
- Calibrators
- Quality controls

# TO ORDER:

**AZERTY Keyboard 115/230 V**

**58820 >** STA Compact Max® 2
**58821 >** STA Compact Max® 2 cap piercing
**58824 >** STA Compact Max® 2 & STA Coag Expert®
**58825 >** STA Compact Max® 2 cap piercing & STA Coag Expert®

**QWERTY Keyboard 115/230 V**

**58822 >** STA Compact Max® 2
**58823 >** STA Compact Max® 2 cap piercing
**58826 >** STA Compact Max® 2 & STA Coag Expert®
**58827 >** STA Compact Max® 2 cap piercing & STA Coag Expert®

# NEW STart Max®

**The "Max Generation" instrument family is now enriched with a new member: the STart Max®.**

Semi-automated coagulation analyser, the STart Max® now offers a real user interface standardised with the other Max Generation instruments.

New features include: login to access the instrument, on-board **Quality Control** menu with Levey-Jennings graphs, complete calibration menu, **data exportation through USB or LIS connection with complete traceability.**

**Design and ergonomics** have also been improved on the system which manages 4 measuring channels for clotting tests.

**DISPOSABLES & AUXILIARY MATERIALS**
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**SUPPLIED WITH:**
• 1 accessory pack

## CHARACTERISTICS

- Comprehensive menu of clotting tests
- Intuitive and standardised user interface within the Max Generation through a 7'' color touch-screen
- Management of Quality Control with Levey-Jennings graphs
- Extensive calibration menu with calibration curves storage and display
- Improved ergonomic design
- External hand-held bar code reader (optional)
- USB port for data exportation
- Extended traceability meeting quality requirements: Patient, QC and calibration archive, lot numbers management, log files
- External USB printer (not provided)
- Monodirectional LIS and STA Coag Expert® connection
- Viscosity-Based (mechanical) Detection System: Immediate delivery of accurate and precise results for any type of coloured plasma, maximum precision for weak clot detection and standardisation between Stago systems.

## PARAMETERS

- PT
- APTT
- Fibrinogen
- Thrombin Time
- Reptilase Time
- Extrinsic pathway factors
- Intrinsic pathway factors
- Anti-Xa (coming soon)
- Protein C
- Protein S
- Lupus Anticoagulants
- Calibrators
- Quality controls

*Elise M. - Project Manager*

*"Everything has been done to add the modern touches needed, while conserving the simplicity and robustness for which STart® has been known for decades".*

## TO ORDER:

**59017 >** STart Max® (115V/230V)

# STA Satellite® USB

STA Satellite® USB is a **fully automated, Haemostasis analyser** performing clotting, chromogenic and immunological assays.

STA Satellite® USB offers complete automation to low-medium coagulation laboratory combined with high walk-away capability. Thanks to its technological innovations, STA Satellite® USB ensures a **high reliability level** as well as **ease of use, flexibility and complete security, all within a reduced footprint.**

**DISPOSABLES & AUXILIARY MATERIALS**
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## CHARACTERISTICS

- Excellent reproducibility and sampling reliability thanks to Stago Double Resolution Dilutor (DRD)
- Positive barcode identification of samples and reagents
- High traceability: complete management of barcoded reagents with precalibration
- Reduced user maintenance thanks to unique innovative features (DRD, LED) user maintenance
- Integrated quality control program
- Viscosity-Based (mechanical) Detection System: Immediate delivery of accurate and precise results for any type of coloured plasma, maximum precision for weak clot detection and standardisation between Stago systems.

## PARAMETERS*

- PT
- APTT
- Fibrinogen
- Thrombin Time
- Anti-Xa (UFH, LMWH)
- D-Dimers
- Antithrombin
- Calibrators
- Quality controls

* For additional parameters please contact us

## TO ORDER:

**58013 + 80956 (1 INP box)** > STA Satellite® USB (115/230 V)

COMING SOON

# ST GENESIA®

## Breakthrough innovation in Thrombin Generation (TG).

ST Genesia® is a complete solution to measure thrombin generation in patients' plasma, **100% automated, 100% standardised, 100% innovative.**

The Thrombin Generation Assay **is a global test** able to provide an evaluation of the **coagulation potential of a plasma sample**. It measures the formation of thrombin during the whole coagulation process, including phases of initiation, propagation and inhibition.

ST Genesia® offers a fully automated system to measure thrombin generation in PPP, with unique features like the **once daily calibration**, the **reference plasma** and the **temperature control** which allow **standardised results** across laboratories.

**User friendly and easy to use**, ST Genesia® is the first **walk-away solution** to measure thrombin generation which may fit to any laboratory environment.

Its embedded software, with a nice and modern graphical user interface, provides all the routine features expected by laboratories in terms of calibration, quality controls and data management.

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**SUPPLIED WITH:**

- 1 accessory pack

# CHARACTERISTICS

- Specific features: 6 TG parameters + Endogenous Thrombin Potential (ETP) inhibition in absolute and normalised units; all parameters calculated automatically
- Assayed reference plasma for results normalisation
- 3 QC levels to cover the entire working range
- Trigger reagents and QC combined for improvement of standardisation
- Precise temperature control at 37°C
- Routine features: calibration and QC management (incl Westgard), complete traceability and STAT samples
- User friendly interface with secure access
- Positive identification & continuous loading of reagents, samples and disposables
- Unitary cuvettes preloaded on trays
- 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.

# PARAMETERS

- Lag Time
- Peak Height
- Time to Peak
- Velocity Index
- Endogenous Thrombin Potential
- Endogenous Thrombin Potential Inhibition
- Start Tail

Audrey C. - R&D project Leader

*"At last a new system that will make thrombin generation a diagnostic tool! Its ease of use, and all the standardisation features will help to generalise the technique. After these years of development, I'm eager to see how it will change the daily practice of laboratories".*

## TO ORDER:

**86814 >** ST Genesia®

# Thrombin Generation: CAT

Calibrated Automated Thrombogram is a comprehensive system to measure **Thrombin Generation** based on **fluorescence** according to the Hemker & al. method.

CAT system allows the use of PPP or PRP samples. As a global assay, Thrombin Generation reflects the balance between all procoagulant and anticoagulant substances. **It is an excellent solution for laboratories** to obtain picture of coagulation:

- sensitive to any (combination of) drug

- sensitive to any (combination of) haemostasis disorder

- valuable aid in the development of new antithrombotic or haemostasis drug

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## SUPPLIED WITH:

- 1 excitation filter at 390 nM
- 1 emission filter at 460 nM
- 1 Thrombinoscope software dedicated to Thrombin Generation measurement
- 1 user guide
- 1 USB flash
- 1 Dell PC

## CHARACTERISTICS

- The dedicated software calculates in real time all the relevant parameters like ETP (Endogenous Thrombin Potential), lag time, time to peak, peak height, start tail and velocity index of Thrombin Generation
- Ready to use standardised reagents explore different components of Thrombin Generation: plasmatic, platelets, microparticles, antithrombic drugs and antiplatelet drugs.

## PARAMETERS

- Thrombin Calibrator
- PRP Reagent
- MP Reagent
- PPP Reagent
- PPP Reagent LOW
- PPP Reagent HIGH
- FluCa Kit

## TO ORDER:

**86188 >** CAT System AZERTY
**86189 >** CAT System QWERTY

# Platelet Aggregometers
# TA-8V & TA-4V

**COMING SOON**

Semi automated analyser for the **exploration and evaluation** of platelet function in a citrated platelet rich plasma.

A **reliable, fast and effective** instrument with an ergonomic design.

Platelet function disorders are associated to bleedings. In conjunction with the clinical examination of the patient, platelet ability to aggregate can be evaluated by **Light Transmission Aggregometry (LTA).**

LTA is considered the **gold standard** for testing platelet function, because it provides important information that is essential for the diagnostic work-up of patients with platelet function defects.

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# CHARACTERISTICS

- Constitutional thrombopathy (Glansmann thrombasthenia, Bernard-Soulier, etc…)
- Acquired thrombopathy
- Follow-up of anti-platelet treatments
- Platelet hypersensitivity
- *In vitro* quantification of blood platelet aggregation under different concentrations of various aggregation agents
- Variations measurement of infra-red light transmission through platelet suspension
- Sensitive and reliable tool
- Embedded computer to save space on bench
- 4 to 8 measuring channels

## TO ORDER:

**86910 >** TA-8V
**86911 >** TA-4V

# Disposables & Auxiliary materials

This catalogue contains information on product wich is targeted to a wide range of audiences and could contain product details or information concerning goods which are not accessible or valid in your country.

# STA R Max® 2

| CAT. NR. | PRODUCT NAME | PRODUCT DESCRIPTION | PACK. |
|---|---|---|---|
| **Solutions** | | | |
| 00975 | **STA®-Desorb U** | 24 vials of STA®-Desorb U | 24 x 15 mL |
| 00973 | **STA®-Cleaner Solution** | 6 vials of STA®-Cleaner Solution | 6 x 2.5 L |
| **Disposables** | | | |
| 38669 | **STA®-Cuvettes** | 6 rolls of 1000 STA®-Cuvettes | 6 x 1000 |
| 00802 | **STA®-Microcups**<br>Microtubes in siliconed glass for reagents, control and calibration plamas | 1 box of 100 STA®-Microcups | 1 x 100 |
| 00741 | **STA®-Microcontainer**<br>Plastic cups for samples | 1 box of 500 STA®-Microcontainer | 1 x 500 |
| 00797 | **STA®-Mini Reducer**<br>Plastic chimneys for reagents (from 4 to 6 mL vials) - Improved stability | 1 box of 100 STA®-Mini Reducer | 1 x 100 |
| 00801 | **STA®-Maxi Reducer**<br>Plastic chimneys for reagents (from 8 to 15 mL vials) - Improved stability | 1 box of 100 STA®-Maxi Reducer | 1 x 100 |
| 00760 | **STA®-Micro Reducer**<br>Plastic chimneys for reagents (from 1 to 2 mL vials) - Improved stability | 1 box of 100 STA®-Micro Reduce | 1 x 100 |
| 27425 | **White stirring magnet** (for STA®-Néoplastine®) | 1 item | 1 |
| 89174 | **White stirring magnet** (for STA®-Néoplastine®) | 10 items | 1 x 10 |
| 26674 | **Red stirring magnet** (for STA®-C.K. Prest®) | 1 item | 1 |
| 89238 | **Red stirring magnet** (for STA®-C.K. Prest®) | 10 items | 1 x 10 |

FIND THE SYSTEM
STA R Max® 2 p. 6

# DISPOSABLES SPARE PARTS

## STA R Max® 2

| CAT. NR. | PRODUCT NAME | PRODUCT DESCRIPTION | PACK. |
|---|---|---|---|
| 89156 | Needle 1 (quick change) for cap piercing on STA R Max 2 | 1 item | 1 |
| 39164 | Needle 1 for cap piercing | 1 item | 1 |
| 39249 | Needle 1 | 1 item | 1 |
| 39250 | Needle 2 | 1 item | 1 |
| 27307 | Needle 3 | 1 item | 1 |
| 27530 | Teflon tips for syringe and o-ring | 1 item | 2 x 6 |
| 26699 | Halogen lamp | 1 item | 1 |
| 27458 | Liquid filter | 1 item | 1 x 10 |
| 39738 | Liquid filter | 10 items | 1 |
| 27538 | Hamilton syringe and o-ring | 1 item | 1 |
| 87063 | Suction head (V5) | 2 items | 1 X 2 |
| 38517 | Air filter (549 x 157 mm) | 1 item | 1 |
| 39880 | 5 x 20 T 1A fuses | 10 fuses | 1 x 10 |
| 26682 | 5 x 20 T 2A fuses | 10 fuses | 1 x 10 |
| 26684 | 5 x 20 T 5A fuses | 10 fuses | 1 x 10 |
| 26681 | 5 x 20 T 6.3A fuses | 10 fuses | 1 x 10 |
| 39863 | 5 x 20 T 10A fuses | 10 fuses | 1 x 10 |
| 27576 | 6.3 x 32 T 2A fuses | 10 fuses | 1 x 10 |
| 27578 | 6.3 x 32 T 5A fuses | 10 fuses | 1 x 10 |
| 27575 | 6.3 x 32 T 6.25A fuses | 10 fuses | 1 x 10 |
| 27224 | 6.3 x 32 T 10A fuses | 10 fuses | 1 x 10 |
| 26694 | 6.3 x 32 T 15A fuses | 10 fuses | 1 x 10 |
| 38125 | Colorimetric box filter V3 | 1 item | 1 |
| 39134 | Wheel for tube rotation | 2 items | 1 x 2 |
| 80343 | Soft stylet kit (10) | 10 items | 1 x 10 |
| 26606 | Pressurized air 400 mL | 1 item | 1 |
| 38567 | Aerosol lubricant | 1 item | 1 |

# STA R Max® 2

| CAT. NR. | PRODUCT NAME | PRODUCT DESCRIPTION | PACK. |
|---|---|---|---|
| 26555 | Ball extractor | 1 item | 1 |
| 27543 | Microcups adaptor | 2 items | 1 x 2 |
| 27423 | Aluminium microcontainer adaptors (microvolume) | 2 items | 1 x 2 |
| 39002 | Aluminium microcontainer adaptors (microvolume) | 10 items | 1 x 10 |
| 88967 | Screw Microtainer adapter | 10 items | 1 x 10 |
| 39010 | Sample tray | 2 items | 1 X 2 |
| 38777 | Sample rack holder (for 5 racks) | 1 item | 1 |
| 39772 | Sample rack holder (for 5 racks) | 10 items | 1 x 10 |
| 39147 | Sample rack (10 racks) | 10 items | 1 x 10 |
| 89043 | Pediatric rack+label V2 | 2 items | 1 x 2 |
| 89044 | Microcontainer standard rack | 2 items | 1 x 2 |

# STA Compact Max® 2

| CAT. NR. | PRODUCT NAME | PRODUCT DESCRIPTION | PACK. |
|---|---|---|---|
| **Solutions** | | | |
| 00975 | **STA®-Desorb U** | 24 vials of STA®-Desorb U | 24 x 15 mL |
| 00973 | **STA®-Cleaner Solution** | 6 vials of STA®-Cleaner Solution | 6 x 2.5 L |
| **Disposables** | | | |
| 38669 | **STA®-Cuvettes** | 6 rolls of 1000 STA®-Cuvettes | 6 x 1000 |
| 00802 | **STA®-Microcups**<br>Microtubes in siliconed glass for reagents, control and calibration plamas | 1 box of 100 STA®-Microcups | 1 x 100 |
| 00741 | **STA®-Microcontainer**<br>Plastic cups for samples | 1 box of 500 STA®-Microcontainer | 1 x 500 |
| 00797 | **STA®-Mini Reducer**<br>Plastic chimneys for reagents (from 4 to 6 mL vials) - Improved stability | 1 box of 100 STA®-Mini Reducer | 1 x 100 |
| 00801 | **STA®-Maxi Reducer**<br>Plastic chimneys for reagents (from 8 to 15 mL vials) - Improved stability | 1 box of 100 STA®-Maxi Reducer | 1 x 100 |
| 00760 | **STA®-Micro Reducer**<br>Plastic chimneys for reagents (from 1 to 2 mL vials) - Improved stability | 1 box of 100 STA®-Micro Reducer | 1 x 100 |
| 27425 | **White stirring magnet** (for STA®-Néoplastine®) | 1 item | 1 |
| 26674 | **Red stirring magnet** (for STA®-C.K. Prest®) | 1 item | 1 |
| 89174 | **White stirring magnet** (for STA®-Néoplastine®) | 10 items | 1 x 10 |
| 89238 | **Red stirring magnet** (for STA®-C.K. Prest®) | 10 items | 1 x 10 |



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# STA Compact Max® 2

| CAT. NR. | PRODUCT NAME | PRODUCT DESCRIPTION | PACK. |
|---|---|---|---|
| 39022 | Needle 1 for cap piercing V3 | 1 item | 1 |
| 38646 | Needle 1 standard V2 | 1 item | 1 |
| 27354 | Needle 2 | 1 item | 1 |
| 27307 | Needle 3 | 1 item | 1 |
| 27530 | Teflon tips for syringe and o-ring | 2 x 6 items | 2 x 6 |
| 27458 | Liquid filter | 1 item | 1 |
| 39738 | Liquid filter | 10 items | 1 x 10 |
| 26699 | Halogen lamp | 1 item | 1 |
| 27538 | Hamilton syringe and o-ring | 1 item | 1 |
| 27421 | Suction head | 2 items | 1 x 2 |
| 27420 | Air filter | 2 items | 1 x 2 |
| 80675 | Rinsing plate assay air filter | 1 item | 1 |
| 38125 | Colorimetric box filter V3 | 1 item | 1 |
| 87018 | Tubing EV piercing V2 | 6 items | 1 x 6 |
| 38640 | Liquid Cooling Glycol | 1 item | 1 |
| 80343 | Soft stylet kit (10) | 10 items | 1 x 10 |
| 27034 | 6.3 x 32 T 0.3A fuses | 10 fuses | 1 x 10 |
| 27579 | 6.3 x 32 T 1A fuses | 10 fuses | 1 x 10 |
| 27037 | 6.3 x 32 T 4A fuses | 10 fuses | 1 x 10 |
| 27575 | 6.3 x 32 T 6.25A fuses | 10 fuses | 1 x 10 |
| 27225 | 6.3 x 32 T 8A fuses | 10 fuses | 1 x 10 |
| 27224 | 6.3 x 32 T 10A fuses | 10 fuses | 1 x 10 |
| 39783 | 5 x 20 T 315mA fuses | 10 items | 1 x 10 |
| 39880 | 5 x 20 T 1A fuses | 10 items | 1 x 10 |
| 39784 | 5 x 20 T 4A fuses | 10 items | 1 x 10 |
| 39785 | 5 x 20 T 8A fuses | 10 items | 1 x 10 |
| 38863 | 5 x 20 T 10A fuses | 10 items | 1 x 10 |
| 26681 | 5 x 20 T 6.3A fuses | 10 items | 1 x 10 |

# STA Compact Max® 2

| CAT. NR. | PRODUCT NAME | PRODUCT DESCRIPTION | PACK. |
|---|---|---|---|
| 26555 | Ball extractor | 1 item | 1 |
| 27543 | Microcups adaptor | 2 items | 1 x 2 |
| 27423 | Microtainers adaptor (microvolume) | 2 items | 1 x 2 |
| 88617 | AZERTY keyboard for STA Compact Max® | 1 item | 1 |
| 88618 | QWERTY keyboard for STA Compact Max® | 1 item | 1 |

# STart Max®

| CAT. NR. | PRODUCT NAME | PRODUCT DESCRIPTION | PACK. |
|---|---|---|---|
| **STart Max® Disposables** | | | |
| 38876 | STart® cuvettes | 150 strips of 4 cuvettes | 1 |
| 26441 | Ball vial | 1 vial of 1850 balls | 1 |
| 86553 | Combitips® | 1 box of 100 | 1 x 100 |
| **STart® 4 Disposables** | | | |
| 38876 | STart® cuvettes | 150 strips of 4 cuvettes | 1 |
| 26441 | Ball vial | 1 vial of 1850 balls | 1 |
| 26649 | Thermal paper | 1 roll (25 m) | 1 |
| 38051 | Finntips® 2.5 mL (position 1 = 50 µl) | 1 box of 100 Finntips® | 1 x 100 |
| 38052 | Finntips® 1.25 mL (position 1 = 25 µl) | 1 box of 100 Finntips® | 1 x 100 |
| **STart Max® & STart® 4 Disposables Spare Parts** | | | |
| 27581 | 6.3 x 32 T 3A fuses | 10 fuses | 1 x 10 |
| 39478 | 5 x 20 T 3.15A fuses | 10 fuses | 1 x 10 |

FIND THE SYSTEM
STart Max® p. 10

# STart Max®

| CAT. NR. | PRODUCT NAME | PRODUCT DESCRIPTION | PACK. |
|---|---|---|---|
| **STart Max® Auxiliary Materials** | | | |
| 86550 | Connected pipette | 1 item | 1 |
| 86561 | Test setup notebook | 1 item | 1 |
| 86562 | Test setup holder | 1 item | 1 |
| 86551 | Pipette thermal conductor black & grey | 2 items (1 black and 1 grey) | 1 |
| 26555 | Steel ball extractor | 1 item | 1 |
| 26605 | Reductor ring DIN 14 (18,5 mm) | 2 items | 1 x 2 |
| 26610 | Reductor ring DIN 18 (22,8 mm) | 2 items | 1 x 2 |
| 26729 | Reductor ring for 5 mL tube | 1 item | 1 |
| 26405 | 1 Magnetic stirrer | 1 item | 1 |
| 89241 | 10 Magnetic stirrers | 10 items | 1 x 10 |
| 86313 | USB bar code handheld reader | 1 item | 1 |
| 86563 | Mini USB Adaptor | 1 item | 1 |
| 86560 | Steel ball dispenser | 1 item | 1 |
| **STart® 4 Auxiliary Materials** | | | |
| 80109 | Connected pipette | 1 item | 1 |
| 86551 | Pipette thermal conductor black & grey | 2 items (1 black and 1 grey) | 1 |
| 26555 | Ball extractor | 1 item | 1 |
| 39476 | Ball dispenser | 1 item | 1 |
| 26729 | Reductor ring for 5 mL tube | 1 item | 1 |
| 26405 | Magnetic stirrer | 1 item | 1 |
| 26605 | Reductor ring DIN 14 | 2 items | 1 x 2 |
| 26610 | Reductor ring DIN 18 | 2 items | 1 x 2 |
| 38049 | Protective bag | 1 item | 1 |

# STA Satellite® USB

| CAT. NR. | PRODUCT NAME | PRODUCT DESCRIPTION | PACK. |
|---|---|---|---|
| **Solutions** | | | |
| 00975 | STA®-Desorb U | 24 vials of STA®-Desorb U | 24 x 15 mL |
| 00973 | STA®-Cleaner Solution | 6 vials of STA®-Cleaner Solution | 6 x 2.5 l |
| **Disposables** | | | |
| 39430 | STA Satellite® Cuvettes | 6 rolls of 220 Cuvettes | 6 x 220 |
| 27425 | White stirring magnet (for STA®-Néoplastine®) | 1 item | 1 |
| 89174 | White stirring magnet (for STA®-Néoplastine®) | 10 items | 1 |
| 00741 | STA®-Microcontainer<br>Plastic cups for samples | 1 box of 500 STA®-Microcontainer | 1 x 500 |
| 00802 | STA®-Microcups<br>Microtubes in siliconed glass for reagents, control and calibration plasmas | 1 box of 100 STA®-Microcups | 1 x 100 |
| 00797 | STA®-Mini Reducer<br>Plastic chimneys for reagents (from 4 to 6 mL vials)<br>Improved stability | 1 box of 100 STA®-Mini Reducer | 1 x 100 |
| 00801 | STA®-Maxi Reducer<br>Plastic chimneys for reagents (from 8 to 15 mL vials)<br>Improved stability | 1 box of 100 STA®-Maxi Reducer | 1 x 100 |
| 26649 | Thermal paper | 1 roll (25 m) | 1 |
| 80467 | Disposable cuvette bin | | 1 x 5 |
| **Disposables Spare Parts** | | | |
| 39356 | Equipped needle | 1 item | 1 |
| 26681 | 5 x 20 T 6.3A fuses | 10 fuses | 1 x 10 |
| 80132 | Air filter | 3 items | 1 |
| 27458 | Liquid filter | 1 item | 1 |
| 39738 | Liquid filter | 10 items | 1 x 10 |
| 26606 | Compressed air 400 mL | 1 item | 1 |
| 38567 | Aerosol Lubricant | 1 item | 1 |

FIND THE SYSTEM
STA Satellite® USB p. 12

# STA Satellite® USB

| CAT. NR. | PRODUCT NAME | PRODUCT DESCRIPTION | PACK. |
|---|---|---|---|
| 26555 | Ball extractor | 1 item | 1 |
| 88828 | Reductor ring DIN 14 | 2 items | 1 x 2 |
| 39968 | Microcups adaptor | 2 items | 1 X 2 |
| 80057 | Reducer for microvolume sample | 2 items | 1 X 2 |
| 39002 | Reducer for microvolume sample | 10 items | 1 x 10 |
| 80091 | Reagents carousel n°1 V2 | 1 item | 1 |
| 80092 | Reagents carousel n°2 V2 | 1 item | 1 |
| 80094 | Sample carousel n°1 | 1 item | 1 |
| 80095 | Sample carousel n°2 | 1 item | 1 |

COMING SOON

# DISPOSABLES

## ST Genesia®

| CAT. NR. | PRODUCT NAME | PRODUCT DESCRIPTION | PACK. |
|---|---|---|---|
| **Solutions** | | | |
| 00973 | STA®-Cleaner Solution | 6 vials of STA®-Cleaner Solution | 6 x 2.5 l |
| **Disposables** | | | |
| 86800 | STG-Cuvettes | 12 racks (40 cuvettes each) | 12 x 40 |
| 86801 | STG-CuvettesWaste | 6 removable bins (80 cuvettes capacity each) | 6 x 80 |
| 86854 | Rack for primary sample tubes ST Genesia® | 1 item | 1 |
| 86855 | Rack for secondary sample tubes ST Genesia® | 1 item | 1 |
| **Disposables Spare Parts** | | | |
| 86853 | Kit of 3 filters ST-Genesia® | 3 items | 1 x 3 |
| 27458 | Liquid filter | 1 item | 1 |
| 39356 | Needle equiped | 1 item | 1 |
| 86836 | Fuses 1A ST-Genesia® | 2 items | 1 x 2 |
| 86837 | Fuses 2A ST-Genesia® | 2 items | 1 x 2 |
| 86838 | Fuses 3A ST-Genesia® | 2 items | 1 x 2 |
| 86839 | Fuses 4A ST-Genesia® | 2 items | 1 x 2 |

FIND THE SYSTEM
ST Genesia® p. 14

# CAT

| CAT. NR. | PRODUCT NAME | PRODUCT DESCRIPTION | PACK. |
|---|---|---|---|
| **CAT Disposables** | | | |
| 86175 | Immulon 2HB Plate | 1 box of 50 microtiter plates | 1 x 50 |
| **Disposables Spare Parts** | | | |
| 86177 | Halogen Lamp | 1 item | 1 unit |
| 86185 | Complete dispensing tube assem. | 1 item | 1 unit |
| 86182 | Reagent tubing | 1 item | 1 unit |
| 86176 | Dispensing tip | 1 item | 1 unit |



FIND THE SYSTEM
CAT System p. 16

COMING SOON

# DISPOSABLES

## Platelet Aggregometers

| CAT. NR. | PRODUCT NAME | PRODUCT DESCRIPTION | PACK. |
|---|---|---|---|
| 86921 | Glass tubes + agitators | 1 pack of 1000 pieces | 1 x 1000<br>1 x 1000 |
| 86919 | Glass tubes | 1 pack of 1000 pieces | 1 x 1000 |
| 86920 | Agitators | 1 pack of 1000 pieces | 1 x 1000 |



FIND THE SYSTEM
Platelet Aggregometers p. 18

# Destiny Max®

| CAT. NR. | PRODUCT NAME | PRODUCT DESCRIPTION | PACK. |
|---|---|---|---|
| DPW20 | Destiny Prowash | 10 vials of Destiny Prowash | 10 x 20 mL • |
| Z04050 | Destiny Cuvettes Trays | 20 sets of 5 cuvettes trays | 4400 cuvettes • |
| DSF | Destiny System Fluid | 3 containers of Destiny System Fluid | 3 x 3.3 L • |
| 242360 | PTT Stirring Magnet | 10 stirring magnets | 10 • |



• Tcoag product



# Reagents

This catalogue contains information on product wich is targeted to a wide range of audiences and could contain product details or information concerning goods which are not accessible or valid in your country.

# Prothrombin Time

**The prothrombin time** is a coagulation screening test. It measures, as a whole, the activity of the coagulation factors II, V, VII, X and I.

A prolonged PT has been observed in the following clinical states:

> congenital or acquired deficiencies of factor II, V, VII, X or fibrinogen
> liver failure (cirrhosis, hepatitis)
> treatments with vitamin K antagonists
> hypovitaminosis K: nutritional intake deficiency, disorders in absorption or metabolism of vitamin K (hemorrhagic disease of the newborn, cholestasis, treatment with antibiotics)
> fibrinolysis
> DIC

The PT is commonly used for monitoring vitamin K antagonist therapy because of its sensitivity to variations in the concentration of the vitamin-K dependent factors II, VII and X. Consequently, the comparability of results of this test is essential for finding the therapeutical range. The use of the INR is recommended for the assessment of the vitamin K antagonist therapy in patients.

| CAT. NR. | PRODUCT NAME | PRODUCT DESCRIPTION | PACK. |
|---|---|---|---|
| **Automated reagents** | | | |
| 00606 | **STA®-Néoplastine® CI Plus 5**<br>Prothrombin Time (PT) (ISI ~ 1.3) | 6 vials of STA®-Néoplastine® CI Plus 5<br>6 vials of solvent | 6 x 5 mL |
| 00667 | **STA®-Néoplastine® CI Plus 10**<br>Prothrombin Time (PT) (ISI ~ 1.3) | 12 vials of STA®-Néoplastine® CI Plus 10<br>12 vials of solvent | 12 x 10 mL |
| 00665 | **STA®-Néoplastine® R 15**<br>Recombinant thromboplastin for determination of Prothrombin Time (PT) (ISI ~ 1) | 12 vials of STA®-Néoplastine® R 15<br>12 vials of solvent | 12 x 15 mL |
| 01163 | **STA®-NeoPTimal 5**<br>Prothrombin Time (PT) (ISI ~ 1) | 6 vials of STA®-NeoPTimal 5<br>6 vials of solvent | 6 x 5 mL |
| 01164 | **STA®-NeoPTimal 10**<br>Prothrombin Time (PT) (ISI ~ 1) | 12 vials of STA®-NeoPTimal 10<br>12 vials of solvent | 12 x 10 mL |
| 01165 | **STA®-NeoPTimal 20**<br>Prothrombin Time (PT) (ISI ~ 1) | 12 vials of STA®-NeoPTimal 20<br>12 vials of solvent | 12 x 20 mL |
| 00761 | **STA®-Hepato-Prest 4**<br>Determination of the combined Factors II-VII-X | 12 vials of STA®-Hepato-Prest 4 | 12 x 4 mL |
| 00762 | **STA®-Hepato-Prest 10**<br>Determination of the combined Factors II-VII-X | 12 vials of STA®-Hepato-Prest 10 | 12 x 10 mL |

COMING SOON
COMING SOON
COMING SOON

# Prothrombin Time

| CAT. NR. | PRODUCT NAME | PRODUCT DESCRIPTION | PACK. |
|---|---|---|---|
| **Tcoag reagents** | | | |
| T1101 | **TriniCLOT PT HTF 20 mL**<br>Prothrombin Time (PT) (ISI ~ 1.0-1.3) | 10 vials of TriniCLOT PT HTF 20 mL | 10 x 20 mL • |
| T1102 | **TriniCLOT PT HTF 6 mL**<br>Prothrombin Time (PT) (ISI ~ 1.0-1.3) | 10 vials of TriniCLOT PT HTF 6 mL | 10 x 6 mL • |
| T1103 | **TriniCLOT PT Excel S 20 mL**<br>Prothrombin Time (PT) (ISI ~ 1.0-1.2) | 5 vials of TriniCLOT PT Exel S 20 mL<br>5 vials of solvent | 5 x 20 mL • |
| T1104 | **TriniCLOT PT Excel S 6 mL**<br>Prothrombin Time (PT) (ISI ~ 1.0-1.2) | 10 vials of TriniCLOT PT Exel S 6 mL<br>10 vials of solvent | 10 x 6 mL • |
| T1106 | **TriniCLOT PT Excel 6 mL**<br>Prothrombin Time (PT) (ISI ~ 1.8-2.0) | 10 vials of TriniCLOT PT Exel 6 mL<br>10 vials of solvent | 10 x 6 mL • |
| **Multipurpose reagents** | | | |
| 00374 | **Néoplastine® CI Plus 2**<br>Prothrombin Time (PT) (ISI ~ 1.3) | 6 vials of Néoplastine® CI Plus 2<br>6 vials of solvent | 6 x 2 mL |
| 00375 | **Néoplastine® CI Plus 5**<br>Prothrombin Time (PT) (ISI ~ 1.3) | 6 vials of Néoplastine® CI Plus 5<br>6 vials of solvent | 6 x 5 mL |
| 00376 | **Néoplastine® CI Plus 10**<br>Prothrombin Time (PT) (ISI ~ 1.3) | 12 vials of Néoplastine® CI Plus 10<br>12 vials of solvent | 12 x 10 mL |

# APTT

**The activated partial thromboplastin time (APTT) is a general coagulation screening test of the coagulation factors XII, XI, IX, VIII, X, V, II and fibrinogen.**

A prolongation of the APTT is encountered in the following situations:

> congenital deficiencies

> acquired deficiencies and abnormal conditions

| CAT. NR. | PRODUCT NAME | PRODUCT DESCRIPTION | PACK. |
|---|---|---|---|
| **Automated reagents** | | | |
| 00595 | **STA®-PTT Automate 5**<br>Determination of Activated Partial Thromboplastin Time (APTT) (silica activator) | 12 vials of STA®-PTT Automate 5 | 12 x 5 mL |
| 00597 | **STA®-C.K. Prest® 5**<br>Determination of Activated Partial Thromboplastin Time (APTT) (kaolin activator) | 6 vials of STA®-C.K. Prest® 5<br>6 vials of solvent + activator | 6 x 5 mL |
| 00308 | **STA®-Cephascreen® 4**<br>Determination of Activated Partial Thromboplastin Time (APTT) (liquid reagent) | 12 vials of STA®-Cephascreen® 4 | 12 x 4 mL |
| 00310 | **STA®-Cephascreen® 10**<br>Determination of Activated Partial Thromboplastin Time (APTT) (liquid reagent) | 12 vials of STA®-Cephascreen® 10 | 12 x 10 mL |
| **Multipurpose reagents** | | | |
| 00480 | **PTT Automate 5**<br>Determination of Activated Partial Thromboplastin Time (APTT) (silica activator) | 12 vials of PTT Automate 5 | 12 x 5 mL |
| 00598 | **C.K. Prest® 2**<br>Determination of Activated Partial Thromboplastin Time (APTT) (kaolin activator) | 6 vials of C.K. Prest® 2<br>6 vials of solvent + activator | 6 x 2 mL |
| 00847 | **C.K. Prest® 5**<br>Determination of Activated Partial Thromboplastin Time (APTT) (kaolin activator) | 6 vials of C.K. Prest® 5<br>6 vials of solvent + activator | 6 x 5 mL |
| 00599 | **PTT-LA**<br>Lupus anticoagulant APTT-based reagent | 6 vials of PTT-LA | 6 x 2 mL |

# APTT

| CAT. NR. | PRODUCT NAME | PRODUCT DESCRIPTION | PACK. | |
|---|---|---|---|---|
| **Tcoag reagents** | | | | |
| T1201 | **TriniCLOT aPTT S 10 mL**<br>Determination of Activated Partial Thromboplastin Time (APTT) (silica activator + Liquid formula) | 5 vials of TriniCLOT aPTT S 10 mL<br>5 vials of TriniCLOT aPTT S CaCl2 0.02M | 5 x 10 mL | • |
| T1202 | **TriniCLOT aPTT S 3 mL**<br>Determination of Activated Partial Thromboplastin Time (APTT) (silica activator + Liquid formula) | 5 vials of TriniCLOT aPTT S 3 mL<br>5 vials of TriniCLOT aPTT S CaCl2 0.02M | 5 x 3 mL | • |
| T1203 | **TriniCLOT aPTT HS 10 mL**<br>Determination of Activated Partial Thromboplastin Time (APTT) (silica activator + Liquid formula) | 10 vials of TriniCLOT aPTT HS 10 mL | 10 x 10 mL | • |
| T1204 | **TriniCLOT aPTT HS 3 mL**<br>Determination of Activated Partial Thromboplastin Time (APTT) (silica activator + Liquid formula) | 10 vials of TriniCLOT aPTT HS 3 mL | 10 x 3 mL | • |
| T1205 | **TriniCLOT Automated APTT 6 mL**<br>Determination of Activated Partial Thromboplastin Time (APTT) (silica activator) | 10 vials of TriniCLOT Automated APTT 6 mL | 10 x 6 mL | • |
| T1206 | **TriniCLOT Automated APTT 3 mL**<br>Determination of Activated Partial Thromboplastin Time (APTT) (silica activator) | 10 vials of TriniCLOT Automated APTT 3 mL | 10 x 3 mL | • |
| **Reference Plasma** | | | | |
| 00539 | **Pool Norm**<br>Normal human plasma pool | 12 vials of Pool Norm | 12 x 1 mL | |

# Fibrinogen

**An increase of the fibrinogen level is found in cases of diabetes, inflammatory syndromes, obesity; a decrease of the fibrinogen level is observed in DIC, fibrinogenolysis.**

Furthermore, fibrinogen seems to be involved in the pathogenicity of thrombotic cardiovascular events.

| CAT. NR. | PRODUCT NAME | PRODUCT DESCRIPTION | PACK. |
|---|---|---|---|
| **Automated reagents** | | | |
| 00673 | **STA®-Liquid Fib**<br>Liquid reagent for the quantitative determination of fibrinogen by Clauss method | 12 vials of STA®-Liquid Fib | 12 x 4 mL |
| **Multipurpose reagents** | | | |
| 00613 | **Fibri-Prest® Automate 2**<br>Quantitative determination of fibrinogen by Clauss method | 12 vials of Fibri-Prest® Automate 2 | 12 x 2 mL |
| 00854 | **Fibri-Prest® Automate 5**<br>Quantitative determination of fibrinogen by Clauss method | 12 vials of Fibri-Prest® Automate 5 | 12 x 5 mL |
| **Tcoag reagents** | | | |
| T1301 | **TriniCLOT Fibrinogen Kit**<br>Quantitative determination of fibrinogen by Clauss method | 2 vials of TriniCAL Fibrinogen<br>3 vials of TriniCLOT Fibrinogen<br>2 vials of TriniCLOT Imidazole Buffer | 2 x 1 mL<br>3 x 6 mL •<br>2 x 20 mL |
| T1302 | **TriniCLOT Fibrinogen 6 mL**<br>Quantitative determination of fibrinogen by Clauss method | 10 vials of TriniCLOT Fibrinogen | 10 x 6 mL • |

Marie D. - Manager Communication Edition & Web

*"1.5 tons of paper saved a year: an environmentally responsible action with no compromise on quality of service. A new freely-accessible platform, ensuring document traceability, will soon replace the majority of our printed product leaflets".*

# Thrombin Time

**The thrombin time is a rapid and simple test designed for the assessment of fibrin formation. The thrombin time remains normal in deficiencies of factor XIII (fibrin stabilising factor).**

Thrombin time should first be performed before any another specific assays are attempted, when a prolongation of the overall tests (PT, APTT) cannot be explained.

| CAT. NR. | PRODUCT NAME | PRODUCT DESCRIPTION | PACK. |
|---|---|---|---|
| **Automated reagents** | | | |
| 00611 | STA®-Thrombin 2<br>Determination of thrombin time | 12 vials of STA®-Thrombin 2 | 12 x 2 mL |
| 00669 | STA®-Thrombin 10<br>Determination of thrombin time | 12 vials of STA®-Thrombin 10 | 12 x 10 mL |
| 00614 | STA®-Reptilase®<br>Determination of Reptilase® time | 6 vials of STA®-Reptilase® | 6 x 2 mL |
| **Tcoag reagents** | | | |
| T1411 | TriniCLOT Thrombin Time 1<br>Determination of thrombin time | 10 vials of TriniCLOT Thrombin Time 1 mL | 10 x 1 mL • |
| T1414 | TriniCLOT Thrombin Time 4<br>Determination of thrombin time | 10 vials of TriniCLOT Thrombin Time 4 mL | 10 x 4 mL • |

## Combination
# Reagents-Calibration plamas-Quality controls

| CAT. NR. | REAGENTS | CALIBRATION PLASMAS | QUALITY CONTROLS |
|---|---|---|---|
| **Prothrombin Time** | | | |
| 00605 | STA®-Néoplastine® CI 5 | *Pre-calibrated*<br>STA®-Unicalibrator - *Cat. Nr. 00675* | STA®-System Control N+P - *Cat. Nr. 00678*<br>STA®-Coag Control N+P - *Cat. Nr. 00679*<br>STA®-Routine QC 2 mL - *Cat. Nr. 00554*<br>STA®-Routine QC P Plus - *Cat. Nr. 00714* |
| 00666 | STA®-Néoplastine® CI 10 | | |
| 00606 | STA®-Néoplastine® CI Plus 5 | | |
| 00667 | STA®-Néoplastine® CI Plus 10 | | |
| 01163 | STA®-NeoPTimal 5 | *Pre-calibrated* | |
| 01164 | STA®-NeoPTimal 10 | | |
| 01165 | STA®-NeoPTimal 20 | | |
| 00665 | STA®-Néoplastine® R 15 | | |
| 00375 | Néoplastine® CI Plus 5 | Unicalibrator - *Cat. Nr. 00625*<br>Etaloquick® - *Cat. Nr. 00496* | Coag Control N+P - *Cat. Nr. 00621*<br>System Control N+P - *Cat. Nr. 00617* |
| 00376 | Néoplastine® CI Plus 10 | | |
| **APTT** | | | |
| 00595 | STA®-PTT Automate 5 | *N/A* | STA®-System Control N+P - *Cat. Nr. 00678*<br>STA®-Coag Control N+P - *Cat. Nr. 00679*<br>STA®-Routine QC 2 mL - *Cat. Nr. 00554*<br>STA®-Routine QC P Plus - *Cat. Nr. 00714* |
| 00597 | STA®-C.K. Prest® 5 | | |
| 00308 | STA®-Cephascreen® 4 | | |
| 00310 | STA®-Cephascreen® 10 | | |
| 00480 | PTT Automate 5 | | Coag Control N+P - *Cat. Nr.* 00621<br>System Control N+P - *Cat. Nr.* 00617 |
| 00598 | C.K. Prest® 2 | | |
| 00847 | C.K. Prest® 5 | | |
| 00539 | Pool Norm | | |
| **Fibrinogen** | | | |
| 00673 | STA®-Liquid Fib | *Pre-calibrated*<br>STA®-Unicalibrator - *Cat. Nr. 00675* | STA®-System Control N+P - *Cat. Nr. 00678*<br>STA®-Coag Control N+P - *Cat. Nr. 00679*<br>STA®-Routine QC 2 mL - *Cat. Nr. 00554*<br>STA®-Routine QC P Plus - *Cat. Nr. 00714* |
| 00613 | Fibri-Prest® Automate 2 | Unicalibrator - *Cat. Nr. 00625* | Coag Control N+P - *Cat. Nr. 00621*<br>System Control N+P - *Cat. Nr. 00617* |
| 00854 | Fibri-Prest® Automate 5 | | |
| **Thrombin Time** | | | |
| 00673 | STA®-Thrombin 2 | *N/A* | STA®-System Control N+P - *Cat. Nr. 00678*<br>STA®-Coag Control N+P - *Cat. Nr. 00679*<br>STA®-Routine QC 2 mL - *Cat. Nr. 00554*<br>STA®-Routine QC P Plus - *Cat. Nr. 00714* |
| 00673 | STA®-Thrombin 10 | | |
| 00673 | STA®-Reptilase® | | STA®-System Control N+P - *Cat. Nr. 00678* |

# Deficient Plamas

## Extrinsic Pathway

The assay consists of the measurement of the clotting time, in the presence of the **STA®-Néoplastine®** reagent, of a system in which all the factors are present and in excess (supplied by **STA®-ImmunoDef or STA®-Deficient** ) except the factor which is derived from the sample being tested.

| CAT. NR. | PRODUCT NAME | PRODUCT DESCRIPTION | PACK. | |
|---|---|---|---|---|
| 00740 | **STA®-ImmunoDef II**<br>Immuno-depleted plasma for factor II assay | 6 vials of STA®-ImmunoDef II | 6 x 1 mL | |
| 00745 | **STA®-Deficient II**<br>Deficient plasma for factor II assay | 6 vials of STA®-Deficient II | 6 x 1 mL | |
| 00744 | **STA®-Deficient V**<br>**Deficient plasma for factor V assay** | 6 vials of STA®-Deficient V | 6 x 1 mL | |
| 00743 | **STA®-Deficient VII**<br>Immuno-depleted plasma for factor VII assay | 6 vials of STA®-Deficient VII | 6 x 1 mL | |
| 00738 | **STA®-Deficient X**<br>Immuno-depleted plasma for factor X assay | 6 vials of STA®-Deficient X | 6 x 1 mL | |
| T1502 | **TriniCLOT Factor II**<br>Deficient plasma for factor II assay | 10 vials of TriniCLOT Factor II | 10 x 1 mL | • |
| T1505 | **TriniCLOT Factor V**<br>Deficient plasma for factor V assay | 10 vials of TriniCLOT Factor V | 10 x 1 mL | • |
| T1507 | **TriniCLOT Factor VII**<br>Immuno-depleted plasma for factor VII assay | 10 vials of TriniCLOT Factor VII | 10 x 1 mL | • |
| T1510 | **TriniCLOT Factor X**<br>Immuno-depleted plasma for factor X assay | 10 vials of TriniCLOT Factor X | 10 x 1 mL | • |

Sylvie L. - Manager R&D

*"The standardisation of practices to identify anti-factor antibodies is a challenge for haemostasis laboratories. The use of a complex algorithm, developed in accordance with recommendations by experts in the field, combined with a new graphical representation generally referred to as factor parallelism, will facilitate the interpretation of factor assays.".*

# Deficient Plamas

## Intrinsic Pathway

The assay consists of the measurement of the clotting time, in the presence of **cephalin and activator,** of a system in which all the factors are present and in excess (supplied by **STA®-ImmunoDef or STA®-Deficient**) except the factor which is derived from the sample being tested.

| CAT. NR. | PRODUCT NAME | PRODUCT DESCRIPTION | PACK. | |
|---|---|---|---|---|
| 00728 | **STA®-ImmunoDef VIII**<br>Immuno-depleted plasma for factor VIII assay | 6 vials of STA®-ImmunoDef VIII | 6 x 1 mL | |
| 00734 | **STA®-ImmunoDef IX**<br>Immuno-depleted plasma for factor IX assay | 6 vials of STA®-ImmunoDef IX | 6 x 1 mL | |
| 00759 | **STA®-ImmunoDef XI**<br>Immuno-depleted plasma for factor XI assay | 6 vials of STA®-ImmunoDef XI | 6 x 1 mL | |
| 00315 | **STA®-ImmunoDef XII**<br>Immuno-depleted plasma for factor XII assay | 6 vials of STA®-ImmunoDef XII | 6 x 1 mL | |
| 00725 | **STA®-Deficient VIII**<br>Immuno-depleted plasma for factor VIII assay | 6 vials of STA®-Deficient VIII | 6 x 1 mL | |
| 00724 | **STA®-Deficient IX**<br>Immuno-depleted plasma for factor IX assay | 6 vials of STA®-Deficient IX | 6 x 1 mL | |
| 00723 | **STA®-Deficient XI**<br>Deficient plasma for factor XI assay | 6 vials of STA®-Deficient XI | 6 x 1 mL | |
| T1508 | **TriniCLOT Factor VIII**<br>Immuno-depleted plasma for factor VIII assay | 10 vials of TriniCLOT Factor VIII | 10 x 1 mL | • |
| T1509 | **TriniCLOT Factor IX**<br>Immuno-depleted plasma for factor IX assay | 10 vials of TriniCLOT Factor IX | 10 x 1 mL | • |
| T1511 | **TriniCLOT Factor XI**<br>Deficient plasma for factor XI assay | 10 vials of TriniCLOT Factor XI | 10 x 1 mL | • |
| T1512 | **TriniCLOT Factor XII**<br>Immuno-depleted plasma for factor XII assay | 10 vials of TriniCLOT Factor XII | 10 x 1 mL | • |

# Other Methods

| CAT. NR. | PRODUCT NAME | PRODUCT DESCRIPTION | | PACK. |
|---|---|---|---|---|
| **Factor VII** | | | | |
| 00281 | **Staclot® VIIa-rTF**<br>Chronometric determination of activated factor VII<br>*Research Product* | 2 vials of deficient plasma VII<br>2 vials of rsTF-Phospholipides<br>2 vials of control 1 | 2 vials of buffer<br>2 vials of F.VIIa calibrator<br>2 vials of control 2 | 2 x 1 mL |
| 00491 | **Asserachrom® VIIa-AT**<br>Quantitative determination of factor VIIa-Antithrombin complex by ELISA method<br>*Research Product* | 3 x 2 coated strips<br>3 vials of anti-AT-peroxidase<br>3 vials of F.VIIa-AT calibrator<br>3 vials of AT-peroxidase buffer | 3 vials of sample diluent<br>3 vials of TMB<br>3 vials of F.VIIa-AT control<br>1 vial of washing solution | 3 x 32 tests |
| 00955 | **Asserachrom® VII:Ag**<br>Quantitative determination of factor VII:Ag by ELISA method<br>*Research Product* | 3 x 2 coated strips<br>3 vials of anti-VII:Ag-peroxidase<br>3 vials of F. VII calibrator<br>3 vials of F. VII control | 3 vials of TMB<br>3 vials of dilution buffer<br>1 vial of washing solution | 3 x 32 tests |
| **Factor VIII** | | | | |
| NEW T2608 | **TriniCHROM Factor VIII:C**<br>Quantitative determination of Factor VIII: C in human plasma and factor VIII concentrate by chromogenic assay | 3 vials of reagent F.IXa<br>3 vials of substrat | 3 vials of reagent F.X<br>3 vials of dilution buffer | 3 x 2 mL<br>3 x 2 mL<br>3 x 6 mL<br>3 x 5 mL |
| 00280 | **Asserachrom® VIII:Ag**<br>Quantitative determination of factor VIII:Ag by ELISA method<br>*Research Product* | 3 x 2 coated strips<br>3 vials of anti-VIII:Ag-peroxidase<br>3 vials of F.VIII:Ag calibrator<br>3 vials of F.VIII:Ag control | 3 vials of TMB<br>3 vials of dilution buffer<br>1 vial of washing solution | 3 x 32 tests |
| 00919 | **Asserachrom® VWF:FVIIIB**<br>Quantitative determination of the capacity of Von Willebrand Factor to bind to FVIII by ELISA method | 3 x 2 coated strips<br>3 vials of anti-FVIII-peroxidase<br>3 vials of VWF:FVIII calibrator<br>3 vials of VWF:FVIII control<br>3 vials of anti-FVIII-peroxidase buffer | 3 vials of TMB<br>3 vials of sample diluent<br>1 vial of washing solution<br>3 vials of recomb. F.VIII | 3 x 32 tests |
| **Factor IX** | | | | |
| 00943 | **Asserachrom® IX:Ag**<br>Quantitative determination of factor IX:Ag by ELISA method | 3 x 2 coated strips<br>3 vials of anti-IX:Ag-peroxidase<br>3 vials of F. IX:Ag calibrator<br>3 vials of F. IX:Ag control | 3 vials of TMB<br>1 vial of dilution buffer<br>1 vial of washing solution | 3 x 32 tests |
| **Factor X** | | | | |
| 00956 | **Asserachrom® X:Ag**<br>Quantitative determination of factor X:Ag by ELISA method<br>*Research Product* | 3 x 2 coated strips<br>3 vials of anti-X:Ag-peroxidase<br>3 vials of F. X calibrator<br>3 vials of F. X control | 3 vials of TMB<br>3 vials of dilution buffer<br>1 vial of washing solution | 3 x 32 tests |
| **Factor XIII** | | | | |
| 00870 | **Factor XIII Reagents**<br>Factor XIII activity assay | 1 vial of purified fibrinogen<br>1 vial of monochloracetic acid | 1 vial of kaolin suspension<br>1 vial of calcium thrombin | 1 x 2 mL |
| 01113 | **K-Assay® Factor XIII**<br>Quantitative determination for factor XIII<br>*(Liquid reagent)* | 2 vials of buffer reagent<br>1 vial of latex | | 2 x 9.5 mL<br>1 x 6 mL |
| 01114 | **K-Assay® Factor XIII Calibrator**<br>Calibration plasma for factor XIII | 5 vials of factor XIII calibrator<br>1 vial of diluent | | 5 x 1 mL<br>1 x 40 mL |
| 01115 | **K-Assay® Coagulation Control**<br>Assayed normal and abnormal control plasmas for factor XIII | 5 vials of coagulation control Level 1<br>5 vials of coagulation control Level 2 | | 5 x 2 x 0.5 mL |

## Combination
### Reagents-Calibration plamas-Quality controls

| CAT. NR. | REAGENTS | CALIBRATION PLASMA | QUALITY CONTROL |
|---|---|---|---|
| **Deficient Plasmas** | | | |
| 00740 | STA®-ImmunoDef II | STA®-Unicalibrator - *Cat. Nr. 00675* | STA®-System Control N+P - *Cat. Nr. 00678* |
| 00745 | STA®-Deficient II | | |
| 00744 | STA®-Deficient V | | |
| 00743 | STA®-Deficient VII | | |
| 00738 | STA®-Deficient X | | |
| 00728 | STA®-ImmunoDef VIII | | |
| 00734 | STA®-ImmunoDef IX | | |
| 00759 | STA®-ImmunoDef XI | | |
| 00315 | STA®-ImmunoDef XII | | |
| 00725 | STA®-Deficient VIII | | |
| 00724 | STA®-Deficient IX | | |
| 00723 | STA®-Deficient XI | | |
| T2608 | TriniCHROM Factor VIII:C | | |

Claire M. - R&D Team Leader

*"In R&D, we are committed in 3 main activities: developing new products as first, but also improving existing reagents and adapting various kits on our instruments. We implement our expertise and know-how on each project in order to offer performing solutions to our customers: for example, automatisation of TRINICHROM:VIII C from Tcoag, will permit to answer a more and more important request for chromogenic factor VIII determination".*

# Fibrin Formation

## Fibrin monomers

Depending on the generated quantity and environmental conditions, the fibrin monomers may join with **fibrinogen** and **various fibrinogen/fibrin degradation products** resulting in the formation of **soluble complexes**.

These complexes usually called **"soluble fibrin"** are observed in prethrombotic situations such as disseminated intravascular coagulation, etc. DIC is an **invasion of the circulation** by microthromboses which are at the origin of a reactive fibrinolysis. The consumption of the coagulation factors (factors II, V and X) and of the platelets involves a **hemorrhagic risk** of variable intensity. High plasma levels of fibrin monomers are usually observed in DIC.

The International Society on Thrombosis and Haemostasis (ISTH) has defined a scoring system to diagnose DIC. An **"overt DIC score"** may be calculated for each patient and is based on the platelet count, the elevated fibrin-related markers (soluble fibrin monomers or fibrin degradation products), the prolonged prothrombin time (PT) and the fibrinogen level.

| CAT. NR. | PRODUCT NAME | PRODUCT DESCRIPTION | | PACK. |
|---|---|---|---|---|
| 00543 | **STA®-Liatest® FM**<br>Quantitative determination of fibrin monomers by immuno-turbidimetric method *(Liquid reagent)* | 6 vials of latex<br>6 vials of buffer | | 6 x 4 mL<br>6 x 2 mL |
| **Manual assays** | | | | |
| 00857 | **F.S. Test**<br>Detection of soluble fibrin monomers complexes by hemagglutination | 4 vials of F.S. Test reagent<br>4 vials of positive control | 4 vials of negative control | 4 x 0.5 mL |
| 00887 | **F.S. Test Unit**<br>Detection of soluble fibrin monomers complexes by hemagglutination | 8 vials of F.S. Test Unit reagent<br>8 vials of positive control | 8 vials of negative control<br>10 test cards | 8 x 0.2 mL |
| 00548 | **Test cards for F.S. Test and FDP Plasma kits** | 10 tests cards | | 1 x 10 |

# Degradation products

## Degradation Products: D-Dimer

### > Disseminated Intravascular Coagulation (DIC)

In DIC the fibrinolytic system is activated and therefore the D-Dimer level increases. D-Dimer assays can help in the diagnosis of DIC.

### > Thromboses

It is established that a normal D-Dimer level is an important element to rule out the diagnosis of evolutive deep venous thromboses (DVT) or pulmonary embolisms (PE).

### > Activation States of Coagulation

The D-Dimer level increases during the activation states of coagulation because such states induce the production of thrombin which is followed by the formation of fibrin and leads to fibrinolysis, the latter being most frequently reactive. The D-Dimer level thus increases following coagulation activation.

Increased levels of D-Dimer have been reported in the following cases: post-operative period, cancers, hemorrhages, severe infections.

| CAT. NR. | PRODUCT NAME | PRODUCT DESCRIPTION | | PACK. |
|---|---|---|---|---|
| 00662 | **STA®-Liatest® D-Di Plus**<br>Quantitative determination of D-Dimer levels by immuno-turbidimetric method<br>*(Liquid reagent)* | 6 vials of latex<br>6 vials of buffer | | 6 x 6 mL<br>6 x 5 mL |
| 00947 | **Asserachrom® D-Di**<br>Quantitative determination of D-Dimer levels by ELISA method | 3 x 2 coated strips<br>3 vials of anti-D-peroxidase<br>3 vials of D-Di calibrator<br>3 vials of D-Di control | 3 vials of TMB<br>3 vials of dilution buffer<br>1 vial of washing solution | 3 x 32 tests |
| 00454 | **D-Di Test®**<br>Qualitative and semi-quantitative determination of D-Dimer levels by latex agglutination | 1 vial of latex<br>1 vial of negative control<br>1 vial of positive control | 1 vial of buffer<br>10 test cards<br>mixing rods | 1 x 1.3 mL |
| 00550 | **Test cards for D-Di Test kit** | 10 test cards | | 1 x 10 |

Céline D. - Clinical Research Associate

*"An article has been recently published in Blood Coagulation and Fibrinolysis, Vol 27, July 2016, reviewing the latest CLSI/ FDA guideline criteria for D-Dimer assays; and the results of the successful multicentric management Study aiming at upgrading the STA-Liatest D-Di assay intended use for Exclusion of Pulmonary Embolism. Results are confirming the excellent clinical performances of the assay".*

# Degradation products

## Fibrin & Fibrinogen Degradation Products

The FDP are considered to be useful for **the diagnosis of thrombosis**, such as deep vein thrombosis and disseminated intravascular coagulation (DIC).

FDP may be used as a **fibrin formation marker** in the calculation of the DIC score defined by the ISTH (International Society in Thrombosis and Haemostasis), the JAAM (Japanese Association for Acute Medicine) and the JMHW (Japanese Ministry of Health and Welfare).

| CAT. NR. | PRODUCT NAME | PRODUCT DESCRIPTION | PACK. |
|---|---|---|---|
| **Fibrin & Fibrinogen Degradation Products** | | | |
| 00649 | **STA®-Liatest® FDP**<br>Quantitative determination of fibrin and fibrinogen degradation products by immuno-turbimetric method *(Liquid reagent)* | 6 vials of latex<br>6 vials of buffer | 6 x 5 mL<br>6 x 5 mL |
| 00540 | **FDP Plasma**<br>Qualitative and semi-quantitative determination of fibrin and fibrinogen degradation products (FDP) in plasma by latex agglutination | 1 vial of latex<br>1 vial of negative control<br>1 vial of positive control<br>1 vial of buffer<br>10 test cards<br>mixing rods | 1 x 1.3 mL |
| 00541 | **FDP Plasma (latex)** | 12 vials of latex | 12 x 1.3 mL |
| 00551 | **FDP Plasma (buffer)** | 12 vials of buffer | 12 x 20 mL |
| 00548 | **Test cards for F.S. Test and FDP Plasma kits** | 10 test cards | 1 x 10 |

## Combination

### Reagents-Calibration plamas-Quality controls

| CAT. NR. | REAGENTS | CALIBRATION PLASMAS | QUALITY CONTROLS |
|---|---|---|---|
| **Fibrin Formation** | | | |
| 00543 | **STA®-Liatest® FM** | STA®-FM Calibrator - *Cat. Nr. 00544* | STA®-FM Control - *Cat. Nr. 00545* |
| **Degradation products** | | | |
| 00662 | **STA®-Liatest® D-Di Plus** | *Pre-calibrated* | STA®-D-Di Control (liquide) - *Cat. Nr. 00868*<br>STA®-Liatest® Control N+P - *Cat. Nr. 00526* |
| 00649 | **STA®-Liatest® FDP** | STA®-FDP Calibrator - *Cat. Nr. 00655* | STA®-FDP Control - *Cat. Nr. 00654* |

# Fibrinolysis

The specific degradation of fibrin (i.e., fibrinolysis) is **the reactive mechanism responding to the formation of fibrin**.

Plasmin is the fibrinolytic enzyme derived from the inactive plasminogen. Plasminogen is converted into plasmin by plasminogen activators. The main plasminogen activators are the **tissue plasminogen activator** (tPA) and the pro-urokinase which is activated into **urokinase** (UK) by, among others, the contact system of coagulation. In the bloodstream, plasmin is rapidly and specifically neutralized by α2-antiplasmin thereby restricting its fibrinogenolytic activity and localizing the fibrinolysis on the fibrin clot.

On the fibrin clot plasmin degrades fibrin into various products. Antibodies specific of these products, which do not recognize fibrinogen, have been developed. The presence of these various fibrin degradation products, among which D-dimer is the terminal product, is proof that the fibrinolytic system is in action in response to coagulation activation.

| CAT. NR. | PRODUCT NAME | PRODUCT DESCRIPTION | | PACK. |
|---|---|---|---|---|
| 00346 | **STA®-Stachrom® TAFI**<br>Chromogenic assay for the quantitative determination of the thrombin activatable fibrinolysis inhibitor (TAFI) activity<br>*Research Product* | 2 vials of TAFI activator<br>4 vials of carboxypeptidase A<br>2 vials of substrate | 2 vials of TAFI calibrator<br>2 vials of TAFI control | 80 tests |
| 00616 | **Asserachrom® TAFIa/TAFIai**<br>Quantitative determination of activated and/or inactivated TAFI by ELISA method<br>*Research Product* | 3 x 2 coated strips<br>3 vials of anti-TAFIa/TAFIai-peroxidase<br>3 vials of TAFIa/TAFIai calibrator<br>3 vials of TAFIa/TAFIai control | 3 vials of TMB<br>3 vials of dilution buffer<br>1 vial of washing solution | 3 x 32 tests |
| 00658 | **STA®-Stachrom® Plasminogen**<br>Chromogenic assay of plasminogen | 6 vials of streptokinase<br>6 vials of substrate | | 6 x 3 mL |
| 00659 | **STA®-Stachrom® Antiplasmin**<br>Chromogenic assay of antiplasmin | 4 vials of plasmin<br>4 vials of substrate | 4 vials of solvent | 4 x 2 mL<br>4 x 6 mL |
| 00948 | **Asserachrom® tPA**<br>Quantitative determination of tissue Plasminogen Activator (tPA) by ELISA method | 3 x 2 coated strips<br>3 vials of anti-tPA-peroxidase<br>3 vials of tPA calibrator<br>3 vials of tPA control | 3 vials of TMB<br>3 vials of dilution buffer<br>1 vial of washing solution | 3 x 32 tests |
| 00807 | **Stachrom® PAI**<br>Chromogenic assay of Plasminogen Activator Inhibitor-1 (PAI-1) | 2 vials of urokinase<br>2 vials of plasminogen<br>2 vials of substrate | 2 vials of PAI calibrator 1<br>2 vials of PAI calibrator 2<br>2 vials of PAI calibrator 3 | 2 x 2 mL |
| 00949 | **Asserachrom® PAI-1**<br>Quantitative determination of Plasminogen Activator Inhibitor-1 (PAI-1) by ELISA method | 3 x 2 coated strips<br>3 vials of anti-PAI-1-peroxidase<br>3 vials of PAI-1 calibrator<br>3 vials of PAI-1 control | 3 vials of TMB<br>3 vials of dilution buffer<br>1 vial of washing solution | 3 x 32 tests |

## Combination

## Reagents-Calibration plamas-Quality controls

| CAT. NR. | REAGENTS | CALIBRATION PLASMA | QUALITY CONTROL |
|---|---|---|---|
| 00658 | STA®-Stachrom® Plasminogen | STA®-Unicalibrator - *Cat. Nr. 00675* | STA®-System Control N+P - *Cat. Nr. 00678* |
| 00659 | STA®-Stachrom® Antiplasmin | | |

# Heparins & Direct Anti-Xa

## Anti-Xa chromogenic assays

**Heparins (UFH and LMWH), fondaparinux, rivaroxaban, apixaban and edoxaban** are used for the prevention and treatment of thromboembolic diseases.

The quantitative determination of anti-Xa activity:

> of the heparin (UFH) is helpful for monitoring treatment efficacy

> of rivaroxaban, apixaban or edoxaban level, in conjunction with clinical examination, is helpful in the assessment of the clinical status in certain situations.

| CAT. NR. | PRODUCT NAME | PRODUCT DESCRIPTION | PACK. |
|---|---|---|---|
| 00311 | **STA®-Liquid Anti-Xa 4**<br>Liquid reagent for the chromogenic assay of UFH, LMWH, fondaparinux (Arixtra®), rivaroxaban (Xarelto®), apixaban (Equilis®) and edoxaban (Lixiana®/Savaysa®) | 6 vials of substrate<br>6 vials of factor Xa | 6 x 4 mL |
| 00322 | **STA®-Liquid Anti-Xa 8**<br>Liquid reagent for the chromogenic assay of UFH, LMWH, fondaparinux (Arixtra®), rivaroxaban (Xarelto®), apixaban (Equilis®) and edoxaban (Lixiana®/Savaysa®) | 6 vials of substrate<br>6 vials of factor Xa | 6 x 8 mL |
| 00906 | **Stachrom® Heparin**<br>Chromogenic assay of UFH and LMWH | 4 vials of antithrombin<br>2 vial of buffer<br>4 vials of factor Xa<br>4 vials of substrate | 4 x 4 mL |
| **Anti-Xa clotting assay** | | | |
| 00691 | **STA®-Staclot® Heparin 1**<br>Clotting assay of UFH and LMWH | 4 vials of substrate plasma<br>4 vials of phospholipids-Ca++<br>4 vials of factor Xa | 4 x 1 mL |

## Combination

## Reagents-Calibration plamas-Quality controls

| CAT. NR. | REAGENTS | MOLECULE | CALIBRATION TYPE | CALIBRATION PLASMA | QUALITY CONTROL |
|---|---|---|---|---|---|
| 00311 (4 mL)<br>00322 (8 mL) | STA®-Liquid Anti-Xa | UFH/LMWH | Dedicated UFH/LMWH Hybrid | STA®-Multi-Hep Calibrator - *Cat. Nr. 00348* | STA®-Quality HNF/UFH - *Cat. Nr. 00381*<br>STA®-Quality HBPM/LMWH - *Cat. Nr. 00686* |
| | | Fondaparinux | Dedicated | STA®-Fondaparinux Calibrator - *Cat. Nr. 00354* | STA®-Fondaparinux Control - *Cat. Nr. 00355* |
| | | Rivaroxaban | Dedicated | STA®-Rivaroxaban Calibrator - *Cat. Nr. 00704* | STA®-Rivaroxaban Control - *Cat. Nr. 00706* |
| | | Apixaban | Dedicated | STA®-Apixaban Calibrator - *Cat. Nr. 01075* | STA®-Apixaban Control - *Cat. Nr. 01074* |
| | | Edoxaban | Dedicated | STA®-Edoxaban Calibrator - *Cat. Nr. 01073* | STA®-Edoxaban Control - *Cat. Nr. 01072* |
| 00691 | STA®-Staclot® Heparin | UFH | Dedicated UFH | STA®-Hepanorm® H - *Cat. Nr. 00684* | STA®-Heparin Control (UFH) - *Cat. Nr. 00683* |
| 00906 | Stachrom® Heparin | LMWH | Dedicated LMWH | STA®-Hepanorm® HBPM - *Cat. Nr. 00681* | STA®-HBPM/LMWH Control - *Cat. Nr. 00682* |

# Heparin Induced Thrombocytopenia

## Heparin Induced Thrombocytopenia (HIT)

**Heparin induced thrombocytopenia type II (HIT)** is a life-threatening disease associated with exposure to unfractionated or less commonly low-molecular-weight heparin. HIT occurs in up to 5 % of patients on heparin.

HIT is caused by IgG antibodies that recognize complexes of platelet factor 4 (PF4) and heparin inducing platelet activation and thrombin generation that promote venous and/or arterial thromboembolism. **There is evidence for a correlation between antibody concentration and risk of HIT**.

| CAT. NR. | PRODUCT NAME | PRODUCT DESCRIPTION | PACK. |
|---|---|---|---|
| 01058 | **STic Expert® HIT 5**<br>Lateral Flow Immunoassay to detect IgG antibodies against heparin-PF4 complexes | 5 tests<br>1 vial of buffer | 1 x 5 tests |
| 01059 | **STic Expert® HIT 20**<br>Lateral Flow Immunoassay to detect IgG antibodies against heparin-PF4 complexes | 20 tests<br>1 vial of buffer | 1 x 20 tests |
| 00615 | **Asserachrom® HPIA**<br>Determination of anti-heparin-PF4 antibodies by ELISA method | 3 x 2 coated strips<br>3 vials of HPIA reference<br>1 vial of washing solution<br>6 vials of anti-human IgG,A, M-peroxidase<br>3 vials of HPIA negative control<br>3 vials of HPIA positive control<br>6 vials of TMB<br>3 vials of dilution buffer | 3 x 2 x 8 tests |
| 00624 | **Asserachrom® HPIA-IgG**<br>Determination of anti-heparin-PF4 antibodies of IgG class by ELISA method | 3 x 2 coated strips<br>3 vials of HPIA reference<br>1 vial of washing solution<br>6 vials of anti-human IgG,A, M-peroxidase<br>3 vials of HPIA negative control<br>3 vials of HPIA positive control<br>6 vials of TMB<br>3 vials of dilution buffer | 3 x 2 x 8 tests |

Tristan H. - Pharmaceutical Development Director

*"After 50 years of VKA predominance, 4 direct oral anticoagulants have simultaneously arrived on the market: dabigatran, rivaroxaban, apixaban and edoxaban. Stago has developed exclusive cooperations with the pharma companies producing each of these drugs in order to make available diagnostic tools to measure their plasma concentration".*

# Direct Thrombin Inhibitors

**The ECA is based on the cleavage of prothrombin by ecarin, a snake venom metalloprotease from Echis carinatus.** The generated activation products (mainly meizothrombin) enzymatically cleave a chromogenic substrate thereby p-nitroaniline is released.

This cleavage is concentration-dependently inhibited by direct thrombin inhibitors, present in the plasma sample.

| CAT. NR. | PRODUCT NAME | PRODUCT DESCRIPTION | PACK. |
|---|---|---|---|
| 00992 | STA®-ECA II<br>Ecarin chromogenic assay of direct thrombin inhibitors (dabigatran) | 2 vials of prothrombin<br>2 vials of substrate<br>2 vials of ecarin | 2 x 25 tests |



## Combination

### Reagents-Calibration plamas-Quality controls

| CAT. NR. | REAGENT | CALIBRATION PLASMA | QUALITY CONTROL |
|---|---|---|---|
| 00992 | STA®-ECA II | STA®-Dabigatran Calibrator - *Réf. 00993* | STA®-Dabigatran Control - *Réf. 00994* |

# Antithrombin & Protein C

## Antithrombin (AT)

Antithrombin is a **glycoprotein** of a molecular weight of approximately 58,000 daltons, synthesized in the liver.

As an **inhibitor of thrombin**, the activity of AT is dramatically enhanced by heparin. It also inhibits factor Xa and to a lesser extent the factors IXa, XIa, XIIa as well as plasmin and kallikrein.

Since the first report (1965) of a hereditary deficiency of AT and its consequences, AT has been considered an **important parameter in thromboembolic disorders**.

| CAT. NR. | PRODUCT NAME | PRODUCT DESCRIPTION | PACK. |
|---|---|---|---|
| 00596 | **STA®-Stachrom® AT III 3**<br>Chromogenic assay of Antithrombin | 4 vials of thrombin 4 vials of substrate<br>4 vials of thrombin solvent | 4 x 3 mL |
| 00672 | **STA®-Stachrom® AT III 6**<br>Chromogenic assay of Antithrombin | 4 vials of thrombin 4 vials of substrate<br>4 vials of thrombin solvent | 4 x 6 mL |
| 00568 | **Liatest® AT III**<br>Quantitative determination of Antithrombin by immuno-turbidimetric method | 6 vials of latex<br>6 vials of buffer | 6 x 1 mL |
| T2602 | **TriniCHROM Antithrombin IIa**<br>Chromogenic assay of Antithrombin | 4 vials of AT heparin/thrombin reagent<br>4 vials of AT thrombin substrate<br>2 vials of AT IIa dilution buffer | 4 x 12 mL<br>4 x 2 mL •<br>2 x 5 mL |
| T2603 | **TriniCHROM Antithrombin Xa**<br>Chromogenic assay of Antithrombin | 4 vials of AT reagent factor Xa<br>4 vials of AT substrate factor Xa<br>2 vials of AT dilution buffer factor Xa | 4 x 3 mL<br>4 x 3 mL •<br>4 x 5 mL |

# Antithrombin & Protein C

## Protein C

Protein C belongs to the group of **vitamin K**-dependent proteins.

It is synthesized in the liver. In the activated state protein C regulates the **coagulation process** by neutralizing the procoagulant activities of the factors Va and VIIIa in the presence of protein S, itself also a vitamin K-dependent protein and is a cofactor of activated protein C.

There is a clinical interest in determining the protein C level because of the existence of protein C deficiencies, both acquired and congenital. In order to characterize a protein C deficiency it is recommended that the STA®-Staclot® Protein C test be complemented with the immunological Asserachrom® Protein C assay and with the chromogenic STA®-Stachrom® Protein C assay.

| CAT. NR. | PRODUCT NAME | PRODUCT DESCRIPTION | PACK. |
|---|---|---|---|
| 00747 | **STA®-Staclot® Protein C**<br>Clotting assay of Protein C | 3 vials of PC deficient plasma<br>3 vials of PC-activator | 3 x 1 mL |
| NEW 00737 | **STA®-Staclot® Protein C 3**<br>Clotting assay of Protein C | 6 vials of PC deficient plasma<br>6 vials of PC-activator | 6 x 3 mL |
| 00671 | **STA®-Stachrom® Protein C**<br>Chromogenic assay of Protein C | 6 vials of PC-activator<br>6 vials of substrate | 6 x 3 mL |
| 00944 | **Asserachrom® Protein C**<br>Quantitative determination of Protein C by ELISA method | 3 x 2 coated strips<br>3 vials of Protein C control<br>1 vial of washing solution<br>3 vials of TMB<br>3 vials of anti-Protein C-peroxidase<br>3 vials of dilution buffer<br>3 vials of Protein C calibrator | 3 x 32 tests |

# Antithrombin & Protein C

## Activated Protein C Resistance (APCR)

As early as 1990, **L. Amer suggested in a patient with thromboses the presence of a plasma constituent which inhibited the activated protein C** (PCa) anticoagulant activity.

In 1994, R.M. Bertina found that this anomaly was associated with a mutation located in exon 10 of the factor V gene. This mutation leads to the synthesis of the factor V Leiden in which arginine 506 is replaced by glutamine.

**This position corresponds to the first cleavage site of factor Va by PCa.** It is more difficult for PCa to inactivate factor Va Leiden than normal factor Va. Other mutations responsible for activated protein C resistance have been reported. The factor V Leiden mutation is autosomal dominant and it is frequently found in Caucasians. This anomaly is associated with a higher risk of thromboses, especially when the co-existence of other risk factors is present in the carrier.

| CAT. NR. | PRODUCT NAME | PRODUCT NAME | PACK. |
|---|---|---|---|
| 00721 | STA®-Staclot® APC-R<br>Clotting test for the detection of APC Resistance | 4 vials of F. V deficient plasma 4 vials of Control N<br>4 vials of APC 4 vials of Control P<br>4 vials of venom | 4 x 2 mL |

## Combination
## Reagents-Calibration plamas-Quality controls

| CAT. NR. | REAGENTS | CALIBRATION PLASMAS | QUALITY CONTROLS |
|---|---|---|---|
| **Antithrombin** | | | |
| 00596 | STA®-Stachrom® AT III 3 | STA®-Unicalibrator - *Cat. Nr. 00675* | STA®-System Control N+P - *Cat. Nr. 00678*<br>STA®-Coag Control N+P - *Cat. Nr. 00679*<br>STA®-Routine QC 2 mL - *Cat. Nr. 00554* |
| 00672 | STA®-Stachrom® AT III 6 | | |
| **Protein C** | | | |
| 00747 | STA®-Staclot® Protein C | STA®-Unicalibrator - *Cat. Nr. 00675* | STA®-System Control N+P - *Cat. Nr. 00678* |
| 00737 | STA®-Staclot® Protein C 3 | | |
| 00671 | STA®-Stachrom® Protein C | | |

# Protein S & C4b-Binding Protein

## Protein S

Protein S is a **vitamin K-dependent protein** that does not possess any esterase function. Physiologically, protein S has an **essential anticoagulant function**. It acts as the cofactor of activated protein C.

In the presence of calcium, this complex binds strongly to the phospholipid surfaces and thus regulates the coagulation process, inactivating by proteolysis thrombin-activated factors V and VIII.

The biochemistry of protein S appears to be quite complex by the fact that it forms a dynamic equilibrium with the protein that binds the C4b-binding protein (C4b-BP).

> **the free protein S form which acts as the cofactor of activated protein C** and it represents about 40 % of total protein S

> **the high molecular weight C4b-BP bound protein S form** which exhibits no activity as a cofactor of activated protein C and it represents about 60 % of total protein S.

The congenital or acquired deficiency of protein S increases the **risk of thrombo-embolism, owing to a decrease of blood anticoagulant potential**. It may produce recurrent thrombotic episodes.

| CAT. NR. | PRODUCT NAME | PRODUCT DESCRIPTION | PACK. |
|---|---|---|---|
| 00746 | **STA®-Staclot® Protein S**<br>Clotting assay of Protein S | 2 vials of PS deficient plasma<br>2 vials of factor Va<br>2 vials of APC | 2 x 1 mL |
| 00527 | **STA®-Liatest® Free Protein S 2**<br>Quantitative determination of Free Protein S by immuno-turbidimetric method | 3 vials of latex<br>3 vials of buffer | 3 x 2 mL |
| 00516 | **STA®-Liatest® Free Protein S 6**<br>Quantitative determination of Free Protein S by immuno-turbidimetric method | 6 vials of latex<br>6 vials of buffer | 6 x 6 mL |
| 00945 | **Asserachrom® Total Protein S**<br>Quantitative determination of Total Protein S by ELISA method | 3 x 2 coated strips<br>3 vials of dilution buffer<br>3 vials of Total Protein S control<br>3 vials of anti-Total ProteinS-peroxidase<br>3 vials of Total Protein S calibrator<br>3 vials of TMB<br>1 vial of washing solution | 3 x 32 tests |
| 00946 | **Asserachrom® Free Protein S**<br>Quantitative determination of Free Protein S by ELISA method | 3 x 2 coated strips<br>3 vials of dilution buffer<br>3 vials of Free Protein S control<br>3 vials of anti-Free Protein S-peroxidase<br>3 vials of Free Protein S calibrator<br>3 vials of TMB<br>1 vial of washing solution | 3 x 32 tests |
| **C4b-BP** | | | |
| 00581 | **Liatest® C4b-BP**<br>Quantitative determination of C4b-BP by immuno-turbidimetric method<br>*Research Product* | 6 vials of latex<br>6 vials of buffer | 6 x 1 mL |

## Combination
# Reagents-Calibration plamas-Quality controls

| CAT. NR. | REAGENTS | CALIBRATION PLASMAS | QUALITY CONTROLS |
|---|---|---|---|
| **Protein S** | | | |
| 00746 | STA®-Staclot® Protein S | STA®-Unicalibrator - *Cat. Nr. 00675* | STA®-System Control N+P - *Cat. Nr. 00678* |
| 00527<br>00516 | STA®-Liatest® Free Protein S 2<br>STA®-Liatest® Free Protein S 6 | *Pre-calibrated* | STA®-Liatest® Control N+P - *Cat. Nr. 00526* |

# Others Inhibitors

| CAT. NR. | PRODUCT NAME | PRODUCT DESCRIPTION | | PACK. |
|---|---|---|---|---|
| **Heparin Cofactor II (HCII)** | | | | |
| **00851** | **Stachrom® HCII**<br>Chromogenic assay of heparin cofactor II<br>*Research Product* | 6 vials of thrombin<br>6 vials of substrate | 2 vials of buffer | 6 x 2 mL |
| **Tissue Factor Pathway Inhibitor (TFPI)** | | | | |
| **00261** | **Asserachrom® Total TFPI**<br>Quantitative determination of Total Tissue Factor Pathway Inhibitor (TFPI) by ELISA method<br>*Research Product* | 3 x 2 coated strips<br>1 vial of washing solution<br>3 vials of Total TFPI calibrator<br>3 vials of Total TFPI control | 3 vials of anti-Total TFPI-peroxidase<br>6 tablets of OPD<br>6 tablets of urea peroxide<br>1 vial of dilution buffer | 3 x 32 tests |
| **00262** | **Asserachrom® Free TFPI**<br>Quantitative determination of Free Tissue Factor Pathway Inhibitor (TFPI) by ELISA method<br>*Research Product* | 3 x 2 coated strips<br>1 vial of washing solution<br>3 vials of Free TFPI calibrator<br>3 vials of Free TFPI control | 3 vials of anti-Free TFPI-peroxidase<br>6 tablets of OPD<br>6 tablets of urea peroxide<br>1 vial of dilution buffer | 3 x 32 tests |
| **Soluble Endothelial Protein C Receptor (sEPCR)** | | | | |
| **00264** | **Asserachrom® sEPCR**<br>Quantitative determination of soluble Endothelial Protein C Receptor by ELISA method<br>*Research Product* | 3 x 2 coated strips<br>1 vial of wash. Solution<br>3 vials of sEPCR calibrator<br>3 vials of anti-sEPCR-peroxidase | 3 vials of TMB<br>3 vials of dilution buffer<br>3 vials of sEPCR control | 3 x 32 tests |

# Lupus Anticoagulants (LA)

**Lupus anticoagulants (LA) are associated with numerous clinical states: systemic lupus erythematosus, recurrent spontaneous abortions, thrombosis, infections.**

The diagnosis of LA is often difficult because of variable reagent sensitivity and the intrinsic heterogeneity of LA. Lupus anticoagulants are antibodies directed against **phospholipid/protein complexes**. They have the ability to **prolong the clotting times of the phospholipid-dependent tests**. In practice, factor deficient plasmas are easily identified with APTT, since the addition of normal plasma restores normal in vitro clotting time. However additional tests are necessary to provide clear-cut differentiation between LA and anti-coagulation factor antibodies and/or heparin.

| CAT. NR. | PRODUCT NAME | PRODUCT DESCRIPTION | PACK. |
|---|---|---|---|
| 00339 | **STA®-Staclot® DRVV Screen 2**<br>Detection of the Lupus Anticoagulants by the diluted Russel's viper venom test | 12 vials of STA®-Staclot® DRVV Screen 2 | 12 x 2 mL |
| 00333 | **STA®-Staclot® DRVV Screen 5**<br>Detection of the Lupus Anticoagulants by the diluted Russel's viper venom test | 12 vials of STA®-Staclot® DRVV Screen 5 | 12 x 5 mL |
| 00334 | **STA®-Staclot® DRVV Confirm**<br>Confirmation of Lupus Anticoagulants by the diluted Russel's viper venom test | 12 vials of STA®-Staclot® DRVV Confirm | 12 x 2 mL |
| 00599 | **PTT-LA**<br>Lupus Anticoagulant APTT-based reagent | 6 vials of PTT-LA | 6 x 2 mL |
| 00600 | **Staclot® LA**<br>Hexagonal phospholipids screening and confirmatory assay for Lupus Anticoagulants | 2 vials of hexagonal phospholipids<br>4 vials of normal plasma<br>2 vials of PTT-LS<br>2 vials of buffer<br>2 vials of solvent | 2 x 5 tests |
| T1604 | **TriniCLOT Lupus Screen**<br>Detection of the Lupus Anticoagulants by the diluted Russel's viper venom test | 10 vials of TriniCLOT Lupus Screen | 10 x 2 mL • |
| T1605 | **TriniCLOT Lupus Confirm**<br>Confirmation of Lupus Anticoagulants by the diluted Russel's viper venom test | 10 vials of TriniCLOT Lupus Confirm | 10 x 1 mL • |
| **Reference Plasma** | | | |
| 00539 | **Pool Norm**<br>Normal human plasma pool | 12 vials of Pool Norm | 12 x 1 mL |

## Combination

# Reagents-Calibration plamas-Quality controls

| CAT. NR. | REAGENTS | CALIBRATION PLASMA | QUALITY CONTROL |
|---|---|---|---|
| **Lupus Anticoagulants** | | | |
| 00339 | STA®-Staclot® DRVV Screen 2 | *N/A* | STA®-Control LA 1+2 - *Cat. Nr. 00201* |
| 00333 | STA®-Staclot® DRVV Screen 5 | | |
| 00334 | STA®-Staclot® DRVV Confirm | | |

# Antiphospholipid Antibodies (APA)

Anti-phospholipid antibodies constitute a heterogeneous family of antibodies directed against **phospholipids** alone or bound to **protein cofactor**.
Anti-phospholipid antibodies have been reported in various clinical states: auto-immune diseases (systemic lupus erythematosus), infections, cancer, thrombopenia, consumption of some drugs. Their persistant presence is often associated with arterial or venous thrombosis, or with recurrent fetal losses, thus defining the Antiphospholipid Syndrome.

| CAT. NR. | PRODUCT NAME | PRODUCT DESCRIPTION | PACK. |
|---|---|---|---|
| 00266 | **Asserachrom® APA Screen**<br>Qualitative determination of IgG, IgA, IgM anti-phospholipid antibodies by ELISA method | 3 x 2 coated strips<br>3 vials of Anti-IgG,A,M-peroxidase<br>3 vials of APA Screen reference<br>3 vials of dilution buffer<br>1 vial of washing solution<br>3 vials of TMB<br>3 vials of control 1<br>3 vials of control 2 | 3 x 32 tests |
| 00267 | **Asserachrom® APA IgG,M**<br>Quantitative determination of anti-phospholipid antibodies (IgG and/or IgM) by ELISA method | 3 x 2 coated strips<br>3 vials of Anti-IgG-peroxidase<br>3 vials of Anti-IgM-peroxidase<br>3 vials of APA IgG, M calibrator<br>3 vials of dilution buffer<br>1 vial of washing solution<br>3 vials of TMB<br>3 vials of control 1<br>3 vials of control 2 | 3 x 32 tests |
| 00265 | **Asserachrom® Anti-Prothrombin IgG,M**<br>Quantitative determination of anti-prothrombin antibodies (IgG and/or IgM) by ELISA method<br>*Research Product* | 3 x 2 coated strips<br>3 vials of Anti-IgG-peroxidase<br>3 vials of Anti-IgM-peroxidase<br>3 vials of dilution buffer<br>3 vials of Anti-Prothrombin IgG, M calibrator<br>1 vial of washing solution<br>3 vials of TMB<br>3 vials of control 1<br>3 vials of control 2 | 3 x 32 tests |

# VWF Factor & Activation Markers

## Von Willebrand Factor

**Von Willebrand factor (VWF) is a multimeric plasmatic glycoprotein involved in primary hemostasis and in the coagulation process.**

It plays an important role in the **adhesion** of platelets to the vascular subendothelium and in the formation of thrombi via its linkages with the glycoprotein (GP) complexes Ib/IX and IIb/IIIa. In the coagulation process, VWF serves as a **carrier for factor VIII** (antihemophilic factor A) and protects it from degradation.

Von Willebrand disease (VWD) is the most common inherited bleeding disorder.

Clinically, it is often characterized by **muco-cutaneous hemorrhages.**

| CAT. NR. | PRODUCT NAME | PRODUCT DESCRIPTION | PACK. |
|---|---|---|---|
| 00518 | **STA®-Liatest® VWF:Ag**<br>Quantitative determination of Von Willebrand Factor by immuno-turbidimetric method | 4 vials of latex<br>4 vials of buffer<br>4 vials of latex diluent | 4 x 5 mL |
| 01085 | **ABP VWF Ricof Assay**<br>Automated assay for the determination of ristocetin cofactor activity of Von Willebrand factor | 4 vials of human lyophilized platelets<br>4 vials of Ristocetin<br>2 vials of TBS buffer<br>2 vials of calibrator<br>2 vials of abnormal control | 4 x 3 mL |
| 00942 | **Asserachrom® VWF:Ag**<br>Quantitative determination of Von Willebrand Factor by ELISA method | 3 x 2 coated strips<br>3 vials of anti-VWF-peroxidase<br>3 vials of VWF calibrator<br>3 vials of VWF control<br>3 vials of TMB<br>3 vials of dilution buffer<br>1 vial of washing solution | 3 x 32 tests |
| 00239 | **Asserachrom® VWF:CB**<br>Quantitative determination of the capacity of Von Willebrand Factor to bind to Collagen by ELISA method | 3 x 2 coated strips<br>3 vials of anti-VWF-peroxidase<br>3 vials of VWF:CB calibrator<br>3 vials of VWF:CB control<br>3 vials of TMB<br>3 vials of dilution buffer<br>1 vial of washing solution | 3 x 32 tests |
| 00919 | **Asserachrom® VWF:FVIIIB**<br>Quantitative determination of the capacity of Von Willebrand Factor to bind to FVIII by ELISA method | 3 x 2 coated strips<br>3 vials of anti-FVIII-peroxidase<br>3 vials of VWF:FVIII calibrator<br>3 vials of VWF:FVIII control<br>3 vials of anti-FVIII-peroxidase buffer<br>3 vials of TMB<br>3 vials of sample diluent<br>1 vial of washing solution<br>3 vials of recomb. F.VIII | 3 x 32 tests |
| 00501 | **Ristocetin**<br>*Research Product* | 1 vial of Ristocetin | 100 mg |

# VWF Factor & Activation Markers

| CAT. NR. | PRODUCT NAME | PRODUCT DESCRIPTION | | PACK. |
|---|---|---|---|---|
| **Activation Markers** | | | | |
| **00950** | **Asserachrom® ß-TG**<br>Quantitative determination of ß-Thromboglobulin(ß-TG) | 3 x 2 coated strips<br>3 vials of anti-ß-TG-peroxidase<br>3 vials of-ß-TG calibrator<br>3 vials of-ß-TG control | 3 vials of TMB<br>3 vials of dilution buffer<br>1 vial of washing solution | 3 x 32 tests |
| **00951** | **Asserachrom® PF4**<br>Quantitative determination of Platelet Factor 4 (PF4) by ELISA method | 3 x 2 coated strips<br>3 vials of anti-PF4-peroxidase<br>3 vials of PF4 calibrator<br>3 vials of PF4 control | 3 vials of TMB<br>3 vials of dilution buffer<br>1 vial of washing solution | 3 x 32 tests |

## Combination

### Reagents-Calibration plamas-Quality controls

| CAT. NR. | REAGENT | CALIBRATION PLASMA | QUALITY CONTROL |
|---|---|---|---|
| **VWF Factor & Activation Markers** | | | |
| **00518** | **STA®-Liatest® VWF:Ag** | STA®-Liatest® VWF:Ag Calibrator - *Cat. Nr. 00520* | STA®-Liatest® Control N+P - *Cat. Nr. 00526* |

# Platelets

| CAT. NR. | PRODUCT NAME | PRODUCT DESCRIPTION | PACK. |
|---|---|---|---|
| **Flow Cytometry Assays** | | | |
| 00449 | **PLT VASP/P2Y12**<br>For the monitoring of P2Y12 ADP receptor antagonists by flow cytometry | 1 vial of diluent<br>1 vial of PGE1 + ADP<br>1 vial of negative isotypic control<br>1 vial of anti-VASP-P mouse monoclonal antibody<br>1 vial of staining reagent<br>1 vial of fixative agent<br>1 vial of PGE1 | 10 samples |
| 00111 | **PLT GP Receptors**<br>Quantitative determination of platelet surface glycoproteins by flow cytometry | 1 vial of diluent<br>1 vial of negative isotypic control<br>1 vial of anti-Gp IIb/IIIa<br>1 vial of anti-Gp IIIa<br>1 vial of staining reagent<br>1 vial of fixative agent<br>1 vial of TRAP<br>1 vial of anti-Gp Ib<br>1 vial of anti-GMP 140<br>1 vial of calibrator | 5 samples |
| 00452 | **Platelet PAIg**<br>Kit for Platelet Associated Immunoglobulin quantitation by flow cytometry<br>*Research Product* | 1 vial of diluent<br>1 vial of Mab<br>1 vial of negative isotypic control<br>1 vial of calibrator<br>1 vial of staining reagent<br>1 vial of buffer | 10 samples |
| 00112 | **Platelet GP IIb/IIIa Occupancy**<br>Monitoring of the GpIIb/IIIa Occupancy by flow cytometry<br>*Research Product* | 1 vial of diluent<br>1 vial of negative isotypic control<br>1 vial of staining reagent<br>1 vial of Mab2 anti-Gp IIIa<br>1 vial of Mab1 anti-Gp IIIa<br>1 vial of calibrator | 10 samples |
| 00457 | **Platelet Calibrator**<br>Kit for customised platelet antigen quantitation by flow cytometry<br>*Research Product* | 1 vial of negative isotypic control IgG1<br>1 vial of negative isotypic control IgG2a<br>1 vial of negative isotypic control IgG2b<br>1 vial of diluent<br>1 vial of calibrator<br>1 vial of staining reagent | 50 samples |
| 00418 | **Platelet GP Screen**<br>Kit for platelet glycoprotein quantitation by flow cytometry<br>*Research Product* | 1 vial of diluent<br>1 vial of calibrator<br>1 vial of staining reagent<br>1 vial of Mab2 anti-Gp Ia<br>1 vial of Mab2 anti-Gp Ib<br>1 vial of Mab2 anti-Gp IIIa | 10 samples |
| 00420 | **Megamix**<br>Beads for cytometer settings in microparticles analysis<br>*Research Product* | 1 vial of beads | 50 tests |
| 01077 | **Megamix-Plus FSC**<br>Beads for FSC-optimized cytometer settings in microparticles analysis<br>*Research Product* | 1 vial of beads | 50 tests |
| 01078 | **Megamix-Plus SSC**<br>Beads for SSC-optimized cytometer settings in microparticles analysis<br>*Research Product* | 1 vial of beads | 50 tests |
| NEW 01169 | **MP-Count Beads**<br>Absolute counting microparticles by flow cytometry on PPP or purified microparticles<br>*Research Product* | 1 vial of 3 mL | 100 tests |
| 50704 | **ADP** | | 3 x 0,5 mL • |
| 50705 | **Ristocetin 7,5 mg/vial** | | 10 x 0,5 mL • |
| 50710 | **Platelets** | | 3 x 6 mL • |
| **ELISA Assay** | | | |
| 01076 | **Cy-Quant VASP/P2Y12**<br>For the monitoring of P2Y12 ADP receptor antagonists by ELISA | 96 divisible Anti-VASP coated wells<br>3 vials of PGE1<br>3 vials of PGE1 + ADP<br>1 vial of Anti-VASP-P peroxidase<br>1 vial of lysis buffer<br>1 vial of washing solution<br>1 vial of dilution buffer<br>1 vial of TMB<br>1 vial of stop solution | 96 unitary tests |

# Platelets

## Platelet aggregation

Agonists for the evaluation of **platelet functions** by the activation of different receptors and signalisation pathways.

| CAT. NR. | PRODUCT NAME | PRODUCT DESCRIPTION | PACK. |
|---|---|---|---|
| 86922 | Arachidonic acid | 3 vials of Arachidonic acid | 3 x 1 mL |
| 86923 | ADP | 3 vials of ADP | 3 x 1 mL |
| 86924 | Collagen | 3 vials of Collagen | 3 x 1 mL |
| 86925 | Epinephrin | 3 vials of Epinephrin | 3 x 1 mL |
| 86926 | TRAP 6 | 3 vials of TRAP 6 | 3 x 1 mL |

# Monoclonal Antibodies For Flow Cytometry

| CAT. NR. | PRODUCT NAME | PRODUCT DESCRIPTION | PACK. |
|---|---|---|---|
| **Anti-platelet markers** | | | |
| 01033 | CD32, clone 2B2, purif. | | 0.1 mg |
| 01031 | CD32, clone 10,5, purif. | | 0.1 mg |
| 01030 | CD36, clone 10,5, FITC | | 100 tests |
| 01032 | CD36, clone 10,5, PE | | 100 tests |
| 01025 | CD41, clone PL2-49, purif. | | 0.1 mg |
| 01024 | CD41, clone PL2-49, FITC | | 100 tests |
| 01026 | CD41, clone PL2-49, PE | | 100 tests |
| 01028 | CD42b, clone ALMA 19, purif. | | 0.1 mg |
| 01027 | CD42b, clone ALMA 19, FITC | | 100 tests |
| 01029 | CD42b, clone ALMA 19, PE | | 100 tests |
| 01041 | CD61, clone LYP18, purif. | | 0.1 mg |
| 01040 | CD61, clone LYP18, FITC | | 100 tests |
| 01042 | CD61, clone LYP18, PE | | 100 tests |
| 01017 | CD61, clone 4F8, purif. | | 0.1 mg |
| 01016 | CD61, clone 4F8, FITC | | 100 tests |
| 01022 | CD62P, clone LYP20, purif. | | 0.1 mg |
| 01021 | CD62P, clone LYP20, FITC | | 100 tests |
| 01023 | CD62P, clone LYP20, PE | | 100 tests |
| 01005 | Fibrinogen, clon 9F9, FITC | | 100 tests |
| 01083 | GPVI, clone 1G5, purif. | | 0.1 mg |
| 01084 | GPVI, clone 1G5, PE | | 100 tests |

# Monoclonal Antibodies For Flow Cytometry

| CAT. NR. | PRODUCT NAME | PRODUCT DESCRIPTION | PACK. |
|---|---|---|---|
| **Anti-endothelial cell markers** | | | |
| 01006 | CD146, clone COM3D9, purif. | | 100 tests |
| 01007 | CD146, clone COM2F6, purif. | | 100 tests |
| 01008 | CD146, clone COM5G6, purif. | | 100 tests |
| 01148 | CD146, clone COM7A4, purif. | | 0.1 mg |
| 01010 | CD146, clone COM7A4, FITC | | 100 tests |
| 01009 | CD146, clone COM7A4, Biot. | | 100 tests |
| 01149 | CD146, clone S-ENDO 1, purif. | | 0.1 mg |
| 01013 | CD146, clone S-ENDO 1, FITC | | 100 tests |
| 01015 | CD146, clone S-ENDO 1, PE | | 100 tests |
| 01012 | CD146, clone S-ENDO 1, Biot. | | 100 tests |
| **Isotypic Negative Controls** | | | |
| 01019 | Ctl. neg. IgG1 purif. (2DNP2H11) | | 0.1 mg |
| 01018 | Ctl. neg. IgG1-FITC (2DNP2H11) | | 100 tests |
| 01020 | Ctl. neg. IgG1-PE (2DNP2H11) | | 100 tests |
| 01038 | Ctl. neg. IgG2a purif. (2DNP16C12) | | 0.1 mg |
| 01037 | Ctl. neg. IgG2a-FITC (2DNP16C12) | | 100 tests |
| 01039 | Ctl. neg. IgG2a-PE (2DNP16C12) | | 100 tests |
| 01035 | Ctl. neg. IgG2b purif (2DNP14G5) | | 0.1 mg |
| 01034 | Ctl. neg. IgG2b-FITC (2DNP14G5) | | 100 tests |
| 01036 | Ctl. neg. IgG2b-PE (2DNP14G5) | | 100 tests |

# Thrombin Generation

The Thrombin Generation assay is a global test able to **provide an evaluation of the coagulation potential of a plasma sample.**

It measures the formation of thrombin during the whole coagulation process, including phases of imitation, propagation and inhibition.

| CAT. NR. | PRODUCT NAME | PRODUCT DESCRIPTION | PACK. |
|---|---|---|---|
| 01131 | STG-BleedScreen | 3 vials of STG-Bleedscreen<br>3 vials of STG-RefPlasma BLS<br>3 vials of STG-QualiTest Low BLS<br>3 vials of STG-QualiTest Norm BLS | 3 x 1 mL |
| 01132 | STG-DrugScreen | 3 vials of STG-Drugscreen<br>3 vials of STG-RefPlasma DS<br>3 vials of STG-QualiTest Low DS<br>3 vials of STG-QualiTest Norm DS | 3 x 1 mL |
| 01133 | STG-ThromboScreen | 3 vials of STG-QualiTest Low TS<br>3 vials of STG-QualiTest Norm TS<br>3 vials of STG-RefPlasma TS<br>3 vials of STG-Thromboscreen-TM<br>3 vials of STG-Thromboscreen+TM<br>3 vials of STG-QualiTest High TS | 3 x 1 mL |
| 01141 | STG-Cal&Fluo | 3 vials of STG-ThrombiCal<br>3 vials of STG-FluoStart<br>3 vials of STG-FluoSet | 3 x 2 mL<br>3 x 2 mL<br>3 x 2 mL |
| 01140 | STG-ThrombiClean | 3 vials of STG-ThrombiClean | 6 x 2 mL |

# Calibration Plasmas

| CAT. NR. | PRODUCT NAME | PRODUCT DESCRIPTION | PACK. |
|---|---|---|---|
| **Automated Reagents** | | | |
| 00675 | **STA®-Unicalibrator**<br>Calibration plasma for PT (%), fibrinogen, factor assays (II, V, VII, VIII, IX, X, XI, XII), AT, PC, PS, plasminogen, antiplasmin (activity) | 6 vials of STA®-Unicalibrator | 6 x 1 mL |
| 00520 | **STA®-VWF:Ag Calibrator**<br>Calibration plasma for assay of Von Willebrand factor by immuno-turbidimetric method | 6 vials of STA®-VWF:Ag Calibrator | 6 x 1 mL |
| 00544 | **STA®-FM Calibrator**<br>Calibration plasmas for assay of fibrin monomers by immuno-turbidimetric method (STA®-Liatest® FM) | 2 vials of STA®-FM Calibrator 1<br>2 vials of STA®-FM Calibrator 2<br>2 vials of STA®-FM Calibrator 3<br>2 vials of STA®-FM Calibrator 4<br>2 vials of STA®-FM Calibrator 5 | 2 x 5 x 1 mL |
| 00655 | **STA®-FDP Calibrator**<br>Calibration plasmas for assay of fibrin and fibrinogen degradation products by immuno-turbidimetric method (STA®-Liatest® FDP) | 2 vials of STA®-FDP Calibrator 1<br>2 vials of STA®-FDP Calibrator 2<br>2 vials of STA®-FDP Calibrator 3<br>2 vials of STA®-FDP Calibrator 4<br>2 vials of STA®-FDP Calibrator 5 | 2 x 5 x 1 mL |
| 00684 | **STA®-Heparnorm® H**<br>Calibration plasmas for UFH assay using anti-Xa method (STA®-Staclot® Heparin/Stachrom® Heparin) | 4 vials of STA®-Heparnorm® H 0<br>4 vials of STA®-Heparnorm® H 3<br>4 vials of STA®-Heparnorm® H 6 | 4 x 3 x 1 mL |
| 00681 | **STA®-Heparnorm® HBPM/LMWH**<br>Calibration plasmas for LMWH assay using anti-Xa method (STA®-Staclot® Heparin/Stachrom® Heparin) | 4 vials of STA®-Heparnorm® HBPM/LMWH 0<br>4 vials of STA®-Heparnorm® HBPM/LMWH 4<br>4 vials of STA®-Heparnorm® HBPM/LMWH 9 | 4 x 3 x 1 mL |
| 00348 | **STA®-Multi Hep Calibrator**<br>Calibration plasmas for Heparins assay (UFH and LMWH) using anti-Xa method (STA®-Liquid Anti-Xa) | 4 vials of STA®-Multi Hep Calibrator 0<br>4 vials of STA®-Multi Hep Calibrator 4<br>4 vials of STA®-Multi Hep Calibrator 7<br>4 vials of STA®-Multi Hep Calibrator 10<br>4 vials of STA®-Multi Hep Calibrator 18 | 4 x 5 x 1 mL |
| 00354 | **STA®-Fondaparinux Calibrator**<br>Calibration plasmas for fondaparinux (Arixtra®) assay using anti-Xa method<br>(STA®-Liquid Anti-Xa) | 2 vials of STA®-Fondaparinux Calibrator 0<br>2 vials of STA®-Fondaparinux Calibrator 9<br>2 vials of STA®-Fondaparinux Calibrator 18 | 2 x 3 x 1 mL |
| 00704 | **STA®-Rivaroxaban Calibrator**<br>Calibration plasmas for rivaroxaban (Xarelto®) assay using anti-Xa method<br>(STA®-Liquid Anti-Xa) | 3 vials of STA®-Rivaroxaban Calibrator 0<br>3 vials of STA®-Rivaroxaban Calibrator 1<br>3 vials of STA®-Rivaroxaban Calibrator 2<br>3 vials of STA®-Rivaroxaban Calibrator 3 | 3 x 4 x 1 mL |
| 01075 | **STA®-Apixaban Calibrator**<br>Calibration plasmas for apixaban (Eliquis®) assay using anti-Xa method<br>(STA®-Liquid Anti-Xa) | 3 vials of STA®-Apixaban Calibrator 0<br>3 vials of STA®-Apixaban Calibrator 1<br>3 vials of STA®-Apixaban Calibrator 2<br>3 vials of STA®-Apixaban Calibrator 3 | 3 x 4 x 1 mL |
| NEW 01073 | **STA®-Edoxaban Calibrator**<br>Calibration plasmas for apixaban (Lixiana®, Savaysa®) assay using anti-Xa method<br>(STA®-Liquid Anti-Xa) | 3 vials of STA®-Edoxaban Calibrator 0<br>3 vials of STA®-Edoxaban Calibrator 1<br>3 vials of STA®-Edoxaban Calibrator 2<br>3 vials of STA®-Edoxaban Calibrator 3 | 3 x 4 x 1 mL |
| 00993 | **STA®-Dabigatran Calibrator**<br>Calibration plasmas for dabigatran (Pradaxa®) assay using ecarin chromogenic method (STA®-ECA II) | 3 vials of STA®-Dabigatran Calibrator 0<br>3 vials of STA®-Dabigatran Calibrator 1<br>3 vials of STA®-Dabigatran Calibrator 2<br>3 vials of STA®-Dabigatran Calibrator 3<br>3 vials of STA®-Dabigatran Calibrator 4 | 2 x 5 x 1 mL |

# Calibration Plasmas

| CAT. NR. | PRODUCT NAME | PRODUCT DESCRIPTION | PACK. |
|---|---|---|---|
| **Multipurpose reagents** | | | |
| 00625 | **Unicalibrator**<br>Calibration plasma for PT (%), fibrinogen, factor assays (II, V, VII, VIII, IX, X, XI, XII), AT (antigen) PC, PS (activity) | 6 vials of Unicalibrator | 6 x 1 mL |
| 00496 | **Etaloquick®**<br>Calibration plasmas for the determination of Prothrombin Time (%, INR) | 4 vials of Etaloquick® 1<br>4 vials of Etaloquick® 2<br>4 vials of Etaloquick® 3 | 4 x 3 x 0.5 mL |
| **Tcoag reagents** | | | |
| T5102 | **TriniCAL Reference Plasma** | 10 vials of TriniCAL Reference Plasma | 10 x 1 mL • |
| T5104 | **TriniCAL Fibrinogen** | 10 vials of TriniCAL Fibrinogen | 10 x 1 mL • |

# Control Plasmas

| CAT. NR. | PRODUCT NAME | PRODUCT DESCRIPTION | PACK. |
|---|---|---|---|
| **Automated Reagents** | | | |
| 00554 | **STA®-Routine QC 2 mL**<br>Normal and abnormal control plasmas for PT INR, Owren's PT, APTT, fibrinogen, thrombin time (N) and AT (activity) (stable 24h) | 12 vials of STA®-Routine QC 2 mL N<br>12 vials of STA®-Routine QC 2 mL P | 12 x 2 x 2 mL |
| 00714 | **STA®-Routine QC P Plus**<br>Abnormal control plasma for PT, APTT fibrinogen, thrombin time and AT (activity) (stable 24h) | 24 vials of STA®-Routine QC P Plus | 24 x 2 mL |
| 00679 | **STA®-Coag Control N+P**<br>Normal and abnormal control plasmas for PT, APTT, fibrinogen, thrombin time (N) and AT (activity) | 12 vials of STA®-Coag Control N<br>12 vials of STA®-Coag Control P | 12 x 2 x 1 mL |
| 00678 | **STA®-System Control N+P**<br>Normal and abnormal control plasmas for PT, APTT, fibrinogen, thrombin time (N), reptilase time (N), factor assays (II, V, VII, VIII, IX, X, XI, XII), AT, PC, PS, plasminogen, antiplasmin (activity) | 12 vials of STA®-System Control N<br>12 vials of STA®-System Control P | 12 x 2 x 1 mL |
| 00982 | **STA®-Quali-Clot I**<br>Normal and abnormal control plasmas for PT, APTT, Owren's PT, fibrinogen, thrombin time (N), reptilase time (N), factor assays (II, V, VII, VIII, IX, X, XI, XII), AT, PC, PS, plasminogen, antiplasmin (activity) | 24 vials of STA® Quali-Clot I | 24 x 1 mL |
| 00988 | **STA®-Quali-Clot II**<br>Normal and abnormal control plasmas for PT, APTT, Owren's PT, fibrinogen, thrombin time (N), reptilase time (N), factor assays (II, V, VII, VIII, IX, X, XI, XII), AT, PC, PS, plasminogen, antiplasmin (activity) | 24 vials of STA® Quali-Clot II | 24 x 1 mL |
| 00989 | **STA®-Quali-Clot III**<br>Normal and abnormal control plasmas for PT, APTT, Owren's PT, fibrinogen, thrombin time (N), reptilase time (N), AT) | 24 vials of STA® Quali-Clot III | 24 x 1 mL |
| 00526 | **STA®-Liatest® Control N+P**<br>Normal and abnormal control plasmas for assays of Von Willebrand Factor, free Protein S and D-Dimer by immuno-turbidimetric method | 12 vials of STA®-Liatest® Control N<br>12 vials of STA®-Liatest® Control P | 12 x 2 x 1 mL |
| 00868 | **STA®-D-Di Control**<br>Assayed liquid controls for D-Dimer tests by immuno- turbidimetric method (STA®-Liatest® D-Di, STA®-Liatest® D-Di Plus)<br>*(Liquid reagent)* | 6 x 2 vials of STA®-D-Di Control 1<br>6 x 2 vials of STA®-D-Di Control 2 | 6 x 2 x 2 mL |
| 00654 | **STA®-FDP Control**<br>Control plasmas for assay of fibrin and fibrinogen degradation products by immuno-turbidimetric method (STA®-Liatest® FDP) | 6 vials of STA®-FDP Control 1<br>6 vials of STA®-FDP Control 2 | 6 x 2 x 1,5 mL |
| 00545 | **STA®-FM Control**<br>Control plasmas for assay of fibrin monomers by immuno- turbidimetric method (STA®-Liatest® FM) | 6 vials of STA®-FM Control 1<br>6 vials of STA®-FM Control 2 | 6 x 2 x 1 mL |

# Control Plasmas

| CAT. NR. | PRODUCT NAME | PRODUCT DESCRIPTION | PACK. |
|---|---|---|---|
| 00201 | **STA®-Control LA 1+2**<br>Control plasmas for lupus anticoagulant tests | 3 vials of STA®-Control LA 1<br>3 vials of STA®-Control LA 2 | 3 x 2 x 1 mL |
| 00682 | **STA®-HBPM/LMWH Control**<br>Control plasmas for LMWH assay using anti-Xa method (STA®-Staclot®/Heparin/Stachrom® Heparin) | 6 vials of STA®-Quality HBPM/LMWH Control 3<br>6 vials of STA®-Quality HBPM/LMWH Control 8 | 6 x 2 x 1 mL |
| 00683 | **STA®-Heparin Control**<br>Control plasmas for UFH assay using anti-Xa method STA®-Staclot® Heparin/Stachrom® Heparin) | 6 vials of STA®-Heparin Control 2<br>6 vials of STA®-Heparin Control 5 | 6 x 2 x 1 mL |
| 00381 | **STA®-Quality HNF/UFH**<br>Control plasmas for UFH assay using anti-Xa method (STA®-Liquid Anti-Xa) | 6 vials of STA-Quality HNF/UFH 2<br>6 vials of STA-Quality HNF/UFH 7 | 6 x 2 x 1 mL |
| 00686 | **STA®-Quality HBPM/LMWH**<br>Control plasmas for LMWH assay using anti-Xa method (STA®-Liquid Anti-Xa) | 6 vials of STA®-Quality HBPM/LMWH 8<br>6 vials of STA®-Quality HBPM/LMWH 14 | 6 x 2 x 1 mL |
| 00355 | **STA®-Fondaparinux Control**<br>Control plasmas for fondaparinux (Arixtra®) assay using anti-Xa method (STA®-Liquid Anti-Xa) | 3 vials of STA®-Fondaparinux Control 5<br>3 vials of STA®-Fondaparinux Control 14 | 3 x 2 x 1 mL |
| 00706 | **STA®-Rivaroxaban Control**<br>Control plasmas for rivaroxaban (Xarelto®) assay using anti-Xa method (STA®-Liquid Anti-Xa) | 3 vials of STA®-Rivaroxaban Control 1<br>3 vials of STA®-Rivaroxaban Control 2 | 3 x 2 x 1 mL |
| 01074 | **STA®-Apixaban Control**<br>Control plasmas for apixaban (Eliquis®) assay using anti-Xa method (STA®-Liquid Anti-Xa) | 3 vials of STA®-Apixaban Control 1<br>3 vials of STA®-Apixaban Control 2 | 3 x 2 x 1 mL |
| NEW 01072 | **STA®-Edoxaban Control**<br>Control plasmas for edoxaban (Lixiana®, Savaysa®) assay using anti-Xa method (STA®-Liquid Anti-Xa) | 3 vials of STA®-Edoxaban Control 1<br>3 vials of STA®-Edoxaban Control 2 | 3 x 2 x 1 mL |
| 00994 | **STA®-Dabigatran Control**<br>Control plasmas for dabigatran (Pradaxa®) assay using ecarin chromogenic method (STA®-ECA II) | 3 vials of STA®-Dabigatran Control 1<br>3 vials of STA®-Dabigatran Control 2 | 3 x 2 x 1 mL |
| **Multipurpose reagents** | | | |
| 00621 | **Coag Control N+P**<br>Normal and abnormal control plasmas for PT, APTT, fibrinogen, thrombin time (N) | 12 vials of Coag Control N<br>12 vials of Coag Control P | 12 x 2 x 1 mL |
| 00617 | **System Control N+P**<br>Normal and abnormal control plasmas for PT, APTT, fibrinogen, thrombin time (N), Reptilase time (N) factor assays (II, V, VII, VIII, IX, X, XI, XII), AT (antigen), PC/PS (activity) | 12 vials of System Control N<br>12 vials of System Control P | 12 x 2 x 1 mL |
| 00867 | **D-Di Negative Plasma**<br>Normal plasma for use with D-Dimer tests by immuno- turbidimetric method | 6 vials of D-Di Negative Plasma | 6 x 1 mL |

# Control Plasmas

| CAT. NR. | PRODUCT NAME | PRODUCT DESCRIPTION | PACK. | |
|---|---|---|---|---|
| **Multipurpose reagents** | | | | |
| T4101 | TriniCHECK Control 1 | 10 vials of TriniCHECK Control 1 | 10 x 1 mL | • |
| T4102 | TriniCHECK Control 2 | 10 vials of TriniCHECK Control 2 | 10 x 1 mL | • |
| T4103 | TriniCHECK Control 3 | 10 vials of TriniCHECK Control 3 | 10 x 1 mL | • |
| T4104 | TriniCHECK Abnormal Control | 10 vials of TriniCHECK Abnormal Control | 10 x 1 mL | • |
| T4111 | TriniCHECK Level 1 | 10 vials of TriniCHECK Level 1 | 10 x 1 mL | • |
| T4112 | TriniCHECK Level 2 | 10 vials of TriniCHECK Level 2 | 10 x 1 mL | • |
| T4113 | TriniCHECK Level 3 | 10 vials of TriniCHECK Level 3 | 10 x 1 mL | • |
| T4203 | TriniCHECK Lupus Positive Control | 6 vials of TriniCHECK Lupus Positive Control | 6 x 1 mL | • |
| T4303 | TriniCHECK D-Dimer 1<br>QC plasma for TriniLIA D-Dimer (T3101) | 4 vials of TriniCHECK D-Dimer 1 | 4 x 1 mL | • |
| T4304 | TriniCHECK D-Dimer 2<br>QC plasma for TriniLIA D-Dimer (T3101) | 4 vials of TriniCHECK D-Dimer 2 | 4 x 1 mL | • |
| T4305 | TriniCHECK D-Dimer 3<br>QC plasma for TriniLIA D-Dimer (T3101) | 4 vials of TriniCHECK D-Dimer 3 | 4 x 1 mL | • |

Christophe S. - R&D Study Leader

*"As laboratories' needs evolve for enhanced quality management, so does Stago offer accompanies this evolution. Capitalizing on new technologies, software and instruments capabilities, we have worked on developing an automated, robust and meaningful peer group comparison program using the laboratory quality control results, for all laboratories worldwide".*

# Control Plasmas

## External Quality Control Programs - Qualiris by Stago

**External quality control program** open to every automated and semi-automated coagulation analysers.

| CAT. NR. | PRODUCT NAME | PRODUCT DESCRIPTION | PACK. |
|---|---|---|---|
| 01044 | **Qualiris QC Premium S1**<br>Unassayed plasmas for external quality assessment of PT, APTT, Fibrinogen, Thrombin Time, Reptilase Time, Endogenous Factors*, Exogenous Factors*, Factor XIII*, VWF*, AT*, PC*, PS*, Antiplasmin*, Plasminogen* | 12 vials of plasma - Semester 1 | 12 x 1 mL |
| 01045 | **Qualiris QC Premium S2 12**<br>Unassayed plasmas for external quality assessment of PT, APTT, Fibrinogen, Thrombin Time, Reptilase Time, Endogenous Factors*, Exogenous Factors*, Factor XIII*, VWF*, AT*, PC*, PS*, Antiplasmin*, Plasminogen* | 12 vials of plasma - Semester 2 | 12 x 1 mL |
| 01046 | **Qualiris QC Experience**<br>Unassayed plasmas for external quality assessment of PT, APTT, Fibrinogen, Thrombin Time, Reptilase Time, Endogenous Factors*, Exogenous Factors*, Factor XIII*, VWF*, AT*, PC*, PS*, Antiplasmin*, Plasminogen* | 6 vials of plasma - Full year | 6 x 1 mL |
| 01049 | **Qualiris QC D-Dimer**<br>Unassayed plasmas for external quality assessment of D-Dimer | 6 vials of plasma - Full year | 6 x 1 mL |
| 01048 | **Qualiris QC Heparin HNF/UFH**<br>Unassayed plasmas for external quality assessment of UFH | 6 vials of plasma - Full year | 6 x 1 mL |
| 01047 | **Qualiris QC Heparin HBPM/LMWH**<br>Unassayed plasmas for external quality assessment of LMWH | 6 vials of plasma - Full year | 6 x 1 mL |

* Option available depending on the program subscription

# Control Plasmas

| CAT. NR. | PRODUCT NAME | PRODUCT DESCRIPTION | PACK. |
|---|---|---|---|
| 01063 | **Qualiris QC Lupus Anticoagulant**<br>Unassayed plasmas for external quality assessment of Lupus Anticoagulant | 6 vials of plasma - Full year | 6 x 1 mL |
| 01050 | **Qualiris Diagnostic Challenge**<br>Unassayed plasmas with 3 associated clinical case studies | 6 vials of plasma - Full year | 2 x 3 x 1 mL |
| NEW 01188 | **Qualiris QC FM-FDP**<br>Unassayed plasmas for external quality assessment of FM-FDP | 6 vials of plasma - Full year | 2 x 3 x 1 mL |
| NEW 01186 | **Qualiris QC DOAC anti-Xa**<br>Unassayed plasmas for external quality assessment of DOAC anti-Xa | 6 vials of plasma - Full year | 2 x 3 x 1 mL |
| NEW 01187 | **Qualiris QC Dabigatran**<br>Unassayed plasmas for external quality assessment of Dabigatran | 6 vials of plasma - Full year | 2 x 2 x 1 mL |

Pascal M. - Qualiris & EIQC Manager

*"Qualiris by Stago, a constantly evolving independent EQA organisation. Stago is adapting to recent developments by offering new FM and DOAC programs. A team dedicated solely to managing Qualiris is always on hand to support you in your daily quality procedures".*

# AUXILIARY REAGENTS

| CAT. NR. | PRODUCT NAME | PRODUCT DESCRIPTION | PACK. | |
|---|---|---|---|---|
| **Solutions** | | | | |
| 00975 | STA®-Desorb U | 24 vials of STA®- Desorb U | 24 x 15 mL | |
| 00973 | STA®-Cleaner Solution | 6 vials of STA®- Cleaner Solution | 6 x 2,5 l | |
| 00367 | STA®-CaCl2 0,025 M | 24 vials of STA®- CaCl2 0.025 M | 24 x 15 mL | |
| 00360 | STA®-Owren-Koller | 24 vials of STA®- Owren-Koller - Buffer - pH 7.35 | 24 x 15 mL | |
| 00279 | PEG 25% | 6 vials of PEG 25% | 6 x 2,5 mL | |
| 00555 | Asserachrom® Washing Solution | 2 vials of washing solution for Asserachrom® | 2 x 50 mL | |
| **Test Cards** | | | | |
| 00550 | For D-Di Test® kit | 10 test cards | 1 x 10 | |
| 00548 | For F.S. Test and FDP Plasma kits | 10 test cards | 1 x 10 | |
| T1901 | TriniCLOT Imidazole Buffer | 6 vials of TriniCLOT Imidazole Buffer | 6 x 20 mL | • |
| T1902 | TriniCLOT Calcium Chloride 0,025 M | 10 vials of TriniCLOT Calcium Chloride 0,025 M | 10 x 10 mL | • |

# Research Products

This catalogue contains information on product wich is targeted to a wide range of audiences and could contain product details or information concerning goods which are not accessible or valid in your country.

# RESEARCH KITS

| CAT. NR. | PRODUCT NAME | PRODUCT DESCRIPTION | PACK. |
|---|---|---|---|
| **Activity Methods** | | | |
| 00346 | STA®-Stachrom® TAFI | Refer to page 52 | 80 tests |
| 00281 | Staclot® VIIa-rTF | Refer to page 47 | 2 x 1 mL |
| 00851 | Stachrom® HCII (Heparin Cofactor II) | Refer to page 61 | 6 x 2 mL |
| 00429 | STA®-Procoag-PPL<br>Chronometric determination of procoagulant phospholipid activity | 3 vials of procoagulant-phospholipid depleted plasma<br>3 vials of Factor Xa<br>3 vials of Control N<br>3 vials of Control P | 3 x 40 tests |
| **ELISA Methods** | | | |
| 00955 | Asserachrom® VII:Ag | Refer to page 47 | 3 x 32 tests |
| 00491 | Asserachrom® VIIa-AT | Refer to page 47 | 3 x 32 tests |
| 00956 | Asserachrom® X:Ag | Refer to page 47 | 3 x 32 tests |
| 00280 | Asserachrom® VIII:Ag | Refer to page 47 | 3 x 32 tests |
| 00264 | Asserachrom® sEPCR | Refer to page 61 | 3 x 32 tests |
| 00261 | Asserachrom® Total TFPI | Refer to page 61 | 3 x 32 tests |
| 00262 | Asserachrom® Free TFPI | Refer to page 61 | 3 x 32 tests |
| 00265 | Asserachrom® Anti-Prothrombin IgG, M | Refer to page 64 | 3 x 32 tests |
| 00616 | Asserachrom® TAFIa/TAFIai | Refer to page 52 | 3 x 32 tests |
| 01004 | Cy-Quant ELISA sCD146<br>Quantitative determination of soluble CD146 | 3 x 2 coated strips<br>6 tablets of OPD | 3 x 32 tests |
| **Immuno-Turbidimetric Methods** | | | |
| 00581 | Liatest® C4b-BP | Refer to page 52 | 6 x 1 mL |
| **Flow Cytometry** | | | |
| 00112 | Platelet GpIIb/IIIa Occupancy | Refer to page 59 | 10 samples |
| 00452 | Platelet PAIg | Refer to page 67 | 10 samples |
| 00457 | Platelet Calibrator | Refer to page 67 | 50 tests |
| 00418 | Platelet GP Screen | Refer to page 67 | 10 samples |
| 00420 | Megamix | Refer to page 67 | 50 tests |
| 01077 | Megamix-Plus FSC | Refer to page 67 | 50 tests |
| 01078 | Megamix-Plus SSC | Refer to page 67 | 50 tests |
| NEW 01169 | MP-Count Beads | Refer to page 67 | 100 tests |

# PURIFIED PROTEINS

| CAT. NR. | PRODUCT NAME | PACK. |
|---|---|---|
| 00461 | Purified VWF | 1 vial |
| 00519 | Purified Fibrinogen | 1 vial |
| 00557 | Purified Prothrombin | 1 vial |
| 00896 | Purified Thrombin (Human) | 1 vial |
| 00462 | Purified Factor X | 1 vial |
| 00912 | Purified Factor Xa | 1 vial |
| 00888 | Purified AT III | 1 vial |
| 00463 | Purified Heparin Cofactor II | 1 vial |
| 00828 | Purified APC | 1 vial |
| 00964 | Purified Bovine Thrombin | 1 vial |

# CHROMOGENIC SUBSTRATES & ACTIVATORS

| CAT. NR. | PRODUCT NAME | PRODUCT DESCRIPTION | PACK. |
|---|---|---|---|
| **Chromogenic Substrates** | | | |
| 00811 | CBS 31.39 (Factor Xa) | Availability: 3 months maximum | 1 vial |
| 00873 | CBS 34.47 (Thrombin) | Availability: 3 months maximum | 1 vial |
| **Activators** | | | |
| 00823 | Ecarin | Availability: 3 months maximum | 1 vial |
| 00830 | r-Hirudin | Availability: 3 months maximum | 1 vial |
| 00361 | R.V.V. | Availability: 3 months maximum | 1 vial |
| 00501 | Ristocetin | Availability: 3 months maximum | 1 vial |

# MONOCLONAL ANTIBODIES FOR FLOW CYTOMETRY

| CAT. NR. | PRODUCT NAME | PACK. |
|---|---|---|
| **Anti-platelet markers** | | |
| 01033 | CD32, clone 2B2, purif. | 0.1 mg |
| 01031 | CD36, clone 10.5, purif. | 0.1 mg |
| 01030 | CD36, clone 10.5, FITC | 100 tests |
| 01032 | CD36, clone 10.5, PE | 100 tests |
| 01025 | CD41, clone PL2-49, purif. | 0.1 mg |
| 01024 | CD41, clone PL2-49, FITC | 100 tests |
| 01026 | CD41, clone PL2-49, PE | 100 tests |
| 01028 | CD42b, clone ALMA 19, purif. | 0.1 mg |
| 01027 | CD42b, clone ALMA 19, FITC | 100 tests |
| 01029 | CD42b, clone ALMA 19, PE | 100 tests |
| 01041 | CD61, clone LYP18, purif. | 0.1 mg |
| 01040 | CD61, clone LYP18, FITC | 100 tests |
| 01042 | CD61, clone LYP18, PE | 100 tests |
| 01017 | CD61, clone 4F8, purif. | 0.1 mg |
| 01016 | CD61, clone 4F8, FITC | 100 tests |
| 01022 | CD62P, clone LYP20, purif. | 0.1 mg |
| 01021 | CD62P, clone LYP20, FITC | 100 tests |
| 01023 | CD62P, clone LYP20, PE | 100 tests |
| 01005 | Fibrinogen, clone 9F9, FITC | 100 tests |
| 01083 | GPVI, clone 1G5, purif | 0.1 mg |
| 01084 | GPVI, clone 1G5, PE | 100 tests |

# MONOCLONAL ANTIBODIES FOR FLOW CYTOMETRY

| CAT. NR. | PRODUCT NAME | PACK. |
|---|---|---|
| **Anti-endothelial cell markers** | | |
| 01006 | CD146, clone COM3D9, purif. | 100 tests |
| 01007 | CD146, clone COM2F6, purif. | 100 tests |
| 01008 | CD146, clone COM5G6, purif. | 100 tests |
| 01148 | CD146, clone COM7A4, purif. | 0,1 mg |
| 01010 | CD146, clone COM7A4, FITC | 100 tests |
| 01009 | CD146, clone COM7A4, Biot. | 100 tests |
| 01149 | CD146, clone S-ENDO 1, purif. | 0.1 mg |
| 01013 | CD146, clone S-ENDO 1, FITC | 100 tests |
| 01015 | CD146, clone S-ENDO 1, PE | 100 tests |
| 01012 | CD146, clone S-ENDO 1, Biot. | 100 tests |
| **Isotypic Negative Controls** | | |
| 01019 | Ctl. neg. IgG1 purif. (2DNP2H11) | 0.1 mg |
| 01018 | Ctl. neg. IgG1-FITC (2DNP2H11) | 100 tests |
| 01020 | Ctl. neg. IgG1-PE (2DNP2H11) | 100 tests |
| 01038 | Ctl. neg. IgG2a purif. (2DNP16C12) | 0.1 mg |
| 01037 | Ctl. neg. IgG2a-FITC (2DNP16C12) | 100 tests |
| 01039 | Ctl. neg. IgG2a-PE (2DNP16C12) | 100 tests |
| 01035 | Ctl. neg. IgG2b purif. (2DNP14G5) | 0.1 mg |
| 01034 | Ctl. neg. IgG2b-FITC (2DNP14G5) | 100 tests |
| 01036 | Ctl. neg. IgG2b-PE (2DNP14G5) | 100 tests |

# THROMBIN GENERATION (CAT)

| CAT. NR. | PRODUCT NAME | PRODUCT DESCRIPTION | PACK. |
|---|---|---|---|
| 86192 | Thrombin Calibrator | 20 vials | 20 x 1 mL |
| 86196 | PRP Reagent | 20 vials | 20 x 1 mL |
| 86222 | MP Reagent | 20 vials | 20 x 1 mL |
| 86193 | PPP Reagent | 20 vials | 20 x 1 mL |
| 86194 | PPP-Reagent LOW | 20 vials | 20 x 1 mL |
| 86195 | PPP-Reagent HIGH | 20 vials | 20 x 1 mL |
| 86197 | FluCa kit | 20 vials of Fluo-buffer<br>20 vials of Fluo-substrate | 20 x 1.6 mL<br>20 x 0.8 mL |

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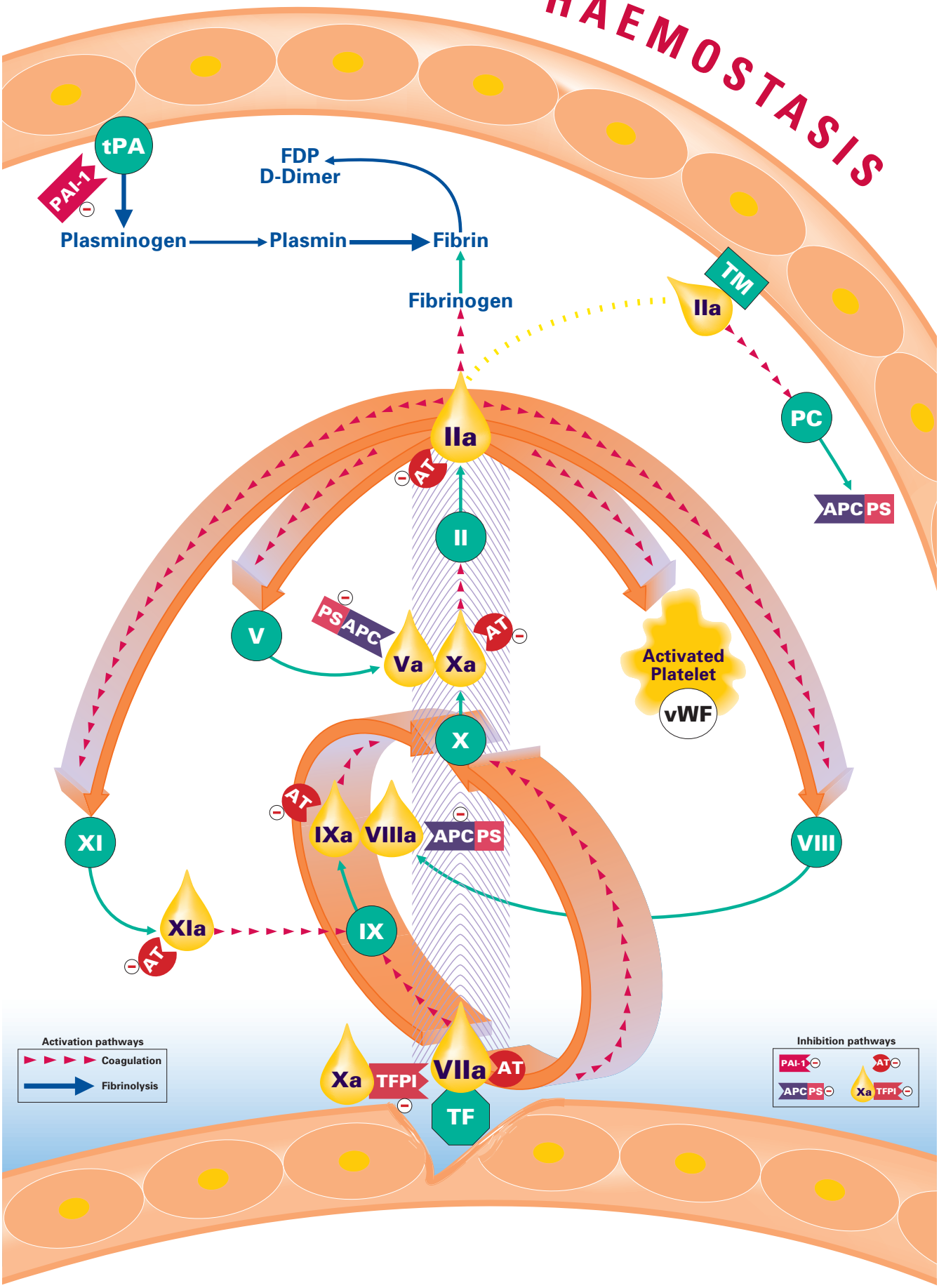
# Notes

# Notes

# HAEMOSTASIS






Stago
BNL
At the Heart of Haemostasis

Stago BNL B.V.
P.O. Box 4018
2301 RA Leiden
the Netherlands
Tel: +31 (0)71 523 10 50
Fax: +31 (0)71 522 17 00
info@nl.stago.com
www.stago-bnl.com