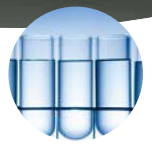
Think Coag
Think Tcoag

Catalogue
Your Coagulation Company

Tcoag


Tcoag
DT 100
by Tcoag



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Reagents

Instruments and Consumables


TriniCHECK Control 2
T4102
10 x 1.0 ml
TriniCHECK Control 2 is a lyophilized human plasma in which factors II, VII,IX and X have been selectively and partially removed, to be used as an abnormal control in the Prothrombin Time (PT) and Activated Partial Thromboplastin Time (aPTT) test procedures.
10 x 1.0 ml
TriniCHECK Control 2


TriniCLOT PT Excel S
T1103A
C112001
TriniCLOT PT EXCEL S


TriniLIA D-Dimer

Reagents

TriniCLOT™ Routine Reagents

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PT

The PT test is commonly used to monitor oral anticoagulants, factor deficiencies and for general preoperative screening. An abnormal or extended PT test usually indicates a deficiency in one or more of the factors in the extrinsic or common pathway of blood coagulation.

TriniCLOT™ PT Reagents are lyophilised thromboplastins from either rabbit or human sources which guarantee consistently accurate results. Convenient and reliable, **TriniCLOT™ PT Reagents** are the quality PT reagents of choice for your haemostasis laboratory.

TriniCLOT™ PT HTF (HTF = Human Tissue Factor)

- Human thromboplastin origin: "mimics" a true *in vivo* response.
- Secure: all ISIs* are assigned against the appropriate International Reference Preparation (IRP) in accordance with WHO guidelines(1).
- Addresses the latest guidelines: low ISI (1.0-1.3)(2).
- Flexible packaging sizes: 6 mL and 20 mL to suit all types of throughput.
- Used with TriniCHECK™ plasmas.

TriniCLOT™ PT Excel S and TriniCLOT™ PT Excel

- Secure: all ISIs are assigned against the appropriate International Reference Preparation (IRP) in accordance with WHO guidelines(1).
- Accommodates local practices: low ISI (TriniCLOT™ PT Excel S: ISI 1.0-1.3) and higher ISI (TriniCLOT™ PT Excel: ISI 1.8-2.0).
- Flexible packaging sizes: 6 mL and 20 mL.
- Ease of use and security: buffer for reconstitution included in each package.
- Used with TriniCHECK™ plasmas.

PART NUMBER	PRODUCT NAME	PACKAGING	ISI	SOURCE	STABILITY
T1101	TriniCLOT™ PT HTF 20 mL	10 x 20 mL	1.0-1.3	Human	10 days at 2-8°C
T1102	TriniCLOT™ PT HTF 6 mL	10 x 6 mL	1.0-1.3	Human	10 days at 2-8°C
T1103	TriniCLOT™ PT Excel S 20 mL	5 x 20 mL	1.0-1.2	Rabbit	4 days at 2-8°C
T1104	TriniCLOT™ PT Excel S 6 mL	10 x 6 mL	1.0-1.2	Rabbit	4 days at 2-8°C
T1106	TriniCLOT™ PT Excel 6 mL	10 x 6 mL	1.8-2.0	Rabbit	4 days at 2-8°C

* International Sensitivity Index.

(1) WHO Technical Report Series No.889, 1999, Annex 3, Guidelines for thromboplastins and plasma used to control oral anticoagulant therapy

(2) Clinical and Laboratory Standards Institute document (CLSI), One-Stage Prothrombin Time (PT) Test and Activated Partial Thromboplastin Time (APTT) Test; Approved Guideline - Second Edition. CLSI document H47-A2. Vol. 28 No. 20, 200.

aPTT

The Activated Partial Thromboplastin Time (APTT) assay is a universally accepted screening procedure used to detect abnormalities in the intrinsic coagulation system.
In addition, it can be used to detect lupus anticoagulants and when monitoring heparin therapy.

TriniCLOT™ aPTT S and **TriniCLOT™ aPTT HS** are liquid, ready to use, aPTT reagents intended for screening for deficiencies of the intrinsic coagulation pathway. These reagents contain purified phospholipids and a particulate activator (micronized silica), which are stabilized in an appropriate buffer.

TriniCLOT™ Automated aPTT is a lyophilised aPTT reagent and is considered to be the reagent of choice in the market due to its moderate factor and heparin sensitivity.
It contains a Platelet Factor 3 reagent (rabbit brain phospholipids) plus a particulate activator (micronized silica) in a suitable buffer.

- Ease of use and security: TriniCLOT™ aPTT S and TriniCLOT™ aPTT HS comes in an easy to use, liquid format. For TriniCLOT™ aPTT S the calcium chloride solution is provided in the kit for your convenience and added security.
- Flexible packaging sizes: suitable for all throughput environments (3 mL, 6 mL and 10 mL).
- Extended shelf lives (24-30 months) to minimize lot change frequency.
- Used with TriniCHECK™ plasmas.

✓ Universal reagent: TriniCLOT™ aPTT S and TriniCLOT™ Automated APTT are appropriately sensitive to deficiencies of all intrinsic factors including Fletcher factor (prekallikrein) and moderately sensitive to lupus anticoagulant. The sensitivity of these reagents also allows for the monitoring of unfractionated Heparin.
✓ Second line reagent: TriniCLOT™ aPTT HS has a higher sensitivity to lupus and is therefore adapted for use as a second line reagent. It is also appropriately sensitive to deficiencies of all intrinsic factors and can be used for the monitoring of unfractionated Heparin.

PART NUMBER	PRODUCT NAME	PACKAGING	FORMAT	ACTIVATOR	STABILITY
T1201	TriniCLOT™ aPTT S 10 mL	5 x 10 mL	Liquid	Silica	30 days at 2-8°C
T1202	TriniCLOT™ aPTT S 3 mL	5 x 3 mL	Liquid	Silica	30 days at 2-8°C
T1203	TriniCLOT™ aPTT HS 10 mL	10 x 10 mL	Liquid	Silica	30 days at 2-8°C
T1204	TriniCLOT™ aPTT HS 3 mL	10 x 3 mL	Liquid	Silica	30 days at 2-8°C
T1205	TriniCLOT™ Automated aPTT 6 mL	10 x 6 mL	Lyophilised	Silica	7 days at 2-8°C
T1206	TriniCLOT™ Automated aPTT 3 mL	10 x 3 mL	Lyophilised	Silica	7 days at 2-8°C
T1902	TriniCLOT™ Calcium Chloride 0.025 M	10 x 10 mL	Liquid		Until expiry date

TriniCLOT™ Routine Reagents

Fibrinogen

TriniCLOT™ Fibrinogen is intended for quantitative determination of fibrinogen in plasma. TriniCLOT™ Fibrinogen utilizes the Clauss method for fibrinogen determination. An excess of thrombin is used to convert fibrinogen to fibrin in diluted plasma such that the rate of reaction is a function of fibrinogen concentration.

- Convenient format: TriniCLOT™ Fibrinogen is provided in a kit format and as individual components.
- Wide working range to address different clinical contexts (e.g. 0.45g/L – 14 g/L in Optical mode using re-dilution)
- Extended on board and 2-8°C stability to suit all types of activities.

PART NUMBER	PRODUCT NAME	PACKAGING
T1301	TriniCLOT™ Fibrinogen Kit	TriniCAL™ Fibrinogen: 2 x 1 mL TriniCLOT™ Fibrinogen reagent (75NIH): 3 x 6 mL TriniCLOT™ Imidazole Buffer: 2 x 20 mL

PART NUMBER	PRODUCT NAME	PACKAGING	STABILITY
T1302	TriniCLOT™ Fibrinogen 6 mL (75NIH)	10 x 6 mL	12 days at 2-8°C
T1901	TriniCLOT™ Imidazole Buffer	6 x 20 mL	7 days
T5104	TriniCAL™ Fibrinogen	10 x 1 mL	8 hours

Thrombin Time

TriniCLOT™ Thrombin Time is intended for the determination of functional fibrinogen in human plasma. The enzyme, thrombin, is the penultimate protein in the clotting sequence, acting upon soluble fibrinogen and converting it to insoluble fibrin. A prolonged thrombin clotting time will result at fibrinogen levels of approximately 200 mg/dL and below. Nonfunctional fibrinogen molecules will also result in a prolonged thrombin time. TriniCLOT™ Thrombin Time is sensitive to the presence of heparin.

- Used with TriniCHECK™ Control 1 (T4101) and TriniCHECK™ Abnormal Control (T4104).

PART NUMBER	PRODUCT NAME	PACKAGING	STABILITY
T1411	TriniCLOT™ Thrombin Time 1 mL (10NIH)	10 x 1 mL	30 days at -20°C
T1414	TriniCLOT™ Thrombin Time 4 mL (10NIH)	10 x 4 mL	30 days at -20°C

Factor Deficient plasmas

A full suite of immuno-depleted **TriniCLOT™ Factor Deficient Plasmas** for all the extrinsic and intrinsic factors is provided.

TriniCLOT™ Factor II, V, VII or **X** Deficient Human Plasma are intended for the quantitative determination of extrinsic factors in human plasma by clotting assay. **TriniCLOT™ Factor VIII, IX, XI** or **XII** Deficient Human Plasma are intended for the quantitative determination of intrinsic factors in human plasma by clotting assay.

- **TriniCLOT™ Factor VIII** may also be used as a negative control in Von Willebrand Factor assays.
- Used with TriniCHECK™ Control 1 (T4101), TriniCHECK™ Abnormal Control (T4104) and TriniCAL™ Reference Plasma (T5102).

PART NUMBER	PRODUCT NAME	PACKAGING	STABILITY
T1502	TriniCLOT™ Factor II	10 x 1 mL	8 hours at 2-8°C
T1505	TriniCLOT™ Factor V	10 x 1 mL	8 hours at 2-8°C
T1507	TriniCLOT™ Factor VII	10 x 1 mL	8 hours at 2-8°C
T1508	TriniCLOT™ Factor VIII	10 x 1 mL	8 hours at 2-8°C
T1509	TriniCLOT™ Factor IX	10 x 1 mL	8 hours at 2-8°C
T1510	TriniCLOT™ Factor X	10 x 1 mL	8 hours at 2-8°C
T1511	TriniCLOT™ Factor XI	10 x 1 mL	8 hours at 2-8°C
T1512	TriniCLOT™ Factor XII	10 x 1 mL	8 hours at 2-8°C
T2608	TriniCHROM™ Factor VIII:C	Factor IXa Reagent: 3 x 1 mL Factor X Reagent: 3 x 2 mL Factor Xa Substrate: 3 x 2 mL Dilution Buffer (10X): 3 x 5 mL	8 hours at 2-8°C 7 days at 2-8°C 60 days at 2-8°C 30 days at 2-8°C

TriniCHROM FVIII:C

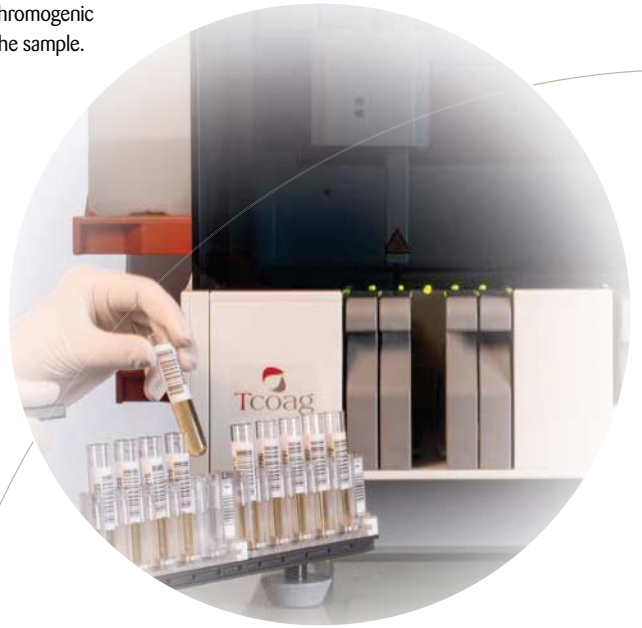
TriniCHROM FVIII:C* is designed for the quantitative determination of Factor VIII:C in human plasma and Factor VIII concentrate by chromogenic assay.

Haemophilia A is a bleeding disorder caused by the deficiency of Factor VIII procoagulant activity (VIII:C). The quantitative determination of Factor VIII:C is useful in the diagnosis of Haemophilia A and in the determination of the severity of the disorder.

Factor VIII:C is a blood plasma protein which exists as a complex with Von Willebrand factor. After activation by thrombin, Factor VIII:C acts as a cofactor in the conversion of Factor X to Factor Xa when calcium and phospholipid are present. The quantity of Factor Xa generated is determined using a specific chromogenic substrate and is directly proportional to the amount of Factor VIII:C in the sample.

Solutions

PART NUMBER	PRODUCT NAME	PACKAGING	STABILITY
T1901	TriniCLOT™ Imidazole Buffer	6 x 20 mL	Until expiration date
T1902	TriniCLOT™ Calcium Chloride 0.025 M	10 x 10 mL	Until expiration date
T1903	TriniCLOT™ Owren's Buffer	24 x 15 mL	Until expiry date



*Coming soon

D-Dimer

Elevated levels of D-Dimer are associated with thrombotic disorders, such as Deep Venous Thrombosis (DVT), Pulmonary Embolism (PE) and Disseminated Intravascular Coagulation (DIC) as well as other conditions, such as cancer. The presence of elevated D-Dimer levels is not sufficient for the diagnosis of a thrombotic disorder, but the absence of elevated D-Dimer levels when used with the appropriate algorithm may be used to rule out the presence of DVT and PE.

TriniLIA™ D-Dimer

TriniLIA™ D-Dimer is a polystyrene micro-particle agglutination assay for the quantitative determination of fibrin degradation products containing D-Dimer in citrated human plasma on the Destiny Max and Destiny Plus analysers at 405 nm.

- Controls sold separately.

PART NUMBER	PRODUCT NAME	MODE	PACKAGING	STABILITY
T3101	TriniLIA™ D-Dimer	Automated	D-Dimer Reagent: 4 x 2 mL D-Dimer Reaction Buffer: 4 x 4 mL D-Dimer Diluent: 1 x 4 mL TriniCAL D-Dimer: 1 x 1 mL	Reagent: 14 days at 2-8°C Reaction Buffer: 14 days at 2-8°C Diluent: 14 days at 2-8°C TriniCAL D-Dimer: 3 days at 2-8°C
T4303	TriniCHECK™ D-Dimer 1	Control plasma	4 x 1 mL	2 days at 2-8°C
T4304	TriniCHECK™ D-Dimer 2	Control plasma	4 x 1 mL	3 days at 2-8°C
T4305	TriniCHECK™ D-Dimer 3	Control plasma	4 x 1 mL	3 days at 2-8°C

NEW TriniLIA™ D-Dimer II

TriniLIA™ D-Dimer II kit is intended for the quantitative determination of D-Dimer in plasma by the immuno-turbidimetric method. It can be used to aid in the diagnosis of deep venous thrombosis and pulmonary embolism disease.

In this assay, an antigen-antibody reaction takes place, leading to an agglutination of the latex microparticles which induces an increase in turbidity of the reaction medium. This increase in turbidity is reflected by an increase in absorbance, the latter being measured photometrically. The increase in absorbance is a function of the D-Dimer level present in the test sample.

- Used with TriniCHECK™ LIA Control Set (T4306)
- To be used on DT 100™ and Destiny Max™
- Precalibrated

PART NUMBER	PRODUCT NAME	MODE	PACKAGING	STABILITY
T3104	TriniLIA™ D-Dimer II	Automated, pre-calibrated	Latex: 6 x 6ml, Buffer: 6 x 5ml	15 days on board stability
T4306	TriniCHECK™ LIA Control Set	Control plasma	TriniCHECKTM LIA Control N, 12 x 1 ml TriniCHECKTM LIA Control ABN, 12 x 1 ml	8 hours on board stability

TriniCLOT™ Speciality Reagents

NEW TriniCLOT™ PC II

The **TriniCLOT™ PC II** kit is intended for the quantitative measurement of the functional protein C level based on the prolongation of the activated partial thromboplastin time (APTT).

In this assay, Protein C is activated in the presence of the specific activator extracted from Agkistrodon c. contortrix venom. The resulting activated protein C inhibits the factors V and VIII, and thus prolongs the APTT of a system in which all the factors are present, constant and in excess (provided by the Reagent 1), except the protein C which is derived from the sample being tested.

- Used with TriniCHECKTM Control 1 (T4101), TriniCHECKTM Abnormal Control (T4104) and TriniCALTM PC/PS (T5105).

PART NUMBER	PRODUCT NAME	STABILITY
T1607	TriniCLOT™ PC II	
	Reagent 1 (TriniCLOT™ PC Def Plasma): 3 x 1mL	8 hours on board stability
	Reagent 2 (TriniCLOT™ PC Activator): 3 x 1mL	8 hours on board stability

NEW TriniCLOT™ PS II

The **TriniCLOT™ PS II** kit is intended for the quantitative measurement of the functional protein S level based on the principle of factor Va inhibition.
The principle of the assay is based upon the cofactor activity of protein S which enhances the anticoagulant action of activated protein C.
This enhancement is reflected by the prolongation of the clotting time of a system enriched with factor Va which is a physiological substrate for activated proteinC.

- Used with TriniCHECKTM Control 1 (T4101), TriniCHECKTM Abnormal Control (T4104) and TriniCALTM PC/PS (T5105).

PART NUMBER	PRODUCT NAME	STABILITY
T1608	TriniCLOT™ PS II	
	Reagent 1 (TriniCLOT™ PS Def Plasma): 2 x 1mL	4 hours on board stability
	Reagent 2 (TriniCLOT™ PS Pca): 2 x 1mL	4 hours on board stability
	Reagent 3 (TriniCLOT™ PS Factor Va): 2 x 1mL	4 hours on board stability

TriniCLOT™ Lupus Screen and Confirm

TriniCLOT™ Lupus Screen and **TriniCLOT™ Lupus Confirm** are simplified dilute Russell's Viper Venom Time (dRVVT) reagents, intended to specifically detect Lupus Anticoagulants (LAs), a type of anti-phospholipid antibody. The reagents are simple one step clotting tests that can be performed either manually or on automated coagulation instruments.

- TriniCHECK™ Lupus Positive Control also available (T4203).
- Mixing tests may be used to exclude Factor II, V and X deficiencies that may prolong TriniCLOT™ Lupus Screen and TriniCLOT™ Lupus Confirm results.

PART NUMBER	PRODUCT NAME	PACKAGING	STABILITY
T1604	TriniCLOT™ Lupus Screen	10 x 2 mL	48 hours at 2-8ºC
T1605	TriniCLOT™ Lupus Confirm	10 x 1 mL	48 hours at 2-8ºC
T4203	TriniCHECK™ Lupus Positive Control	6 x 1 mL	8 hours at 2-8ºC

TriniCHROM™ Speciality Reagents

TriniCHROM™ Antithrombin IIa and TriniCHROM™ Antithrombin Xa

TriniCHROM™ Antithrombin IIa and **TriniCHROM™ Antithrombin Xa** are intended for the quantitative determination of AT activity in human plasma by chromogenic assay.

AT is the major inhibitor of plasma thrombin and Factor Xa. It is also an important inhibitor of activated Factors IXa, XIa, and XIIa. The inhibitory activity of AT towards thrombin is greatly increased (2–3 orders of magnitude) in the presence of heparin. TriniCHROM™ Antithrombin IIa and TriniCHROM™ Antithrombin Xa utilize a thrombin based reagent which is added to a plasma dilution containing AT in the presence of heparin. After incubation, residual thrombin is determined with a thrombin-specific chromogenic substrate. The residual thrombin activity is inversely proportional to the antithrombin concentration.

- TriniCHROM™ Antithrombin IIa assay has been developed to decrease the interference from HCII to a level where discrimination between normal and abnormal levels is similar to that achieved by Factor Xa based Antithrombin assays.
- TriniCHROM™ Antithrombin IIa assay is sensitive to Heparin Cofactor. TriniCHROM™ Antithrombin Xa assay is insensitive to Heparin Cofactor.
- Based on the characteristics of TriniCHROM™ Antithrombin IIa, it is the most commonly used AT reagent.
- TriniCHROM™ Antithrombin Xa is more dedicated to specialised used.
- Used with TriniCHECK™ Control 1 (T4101), TriniCHECK™ Abnormal Control (T4104) and TriniCAL™ Reference Plasma (T5102).

PART NUMBER	PRODUCT NAME	PACKAGING	STABILITY
T2602	TriniCHROM™ Antithrombin IIa	AT Heparin/Thrombin Reagent: 4 x 10 mL AT Thrombin Substrate: 4 x 2 mL AT IIa Dilution Buffer (10X): 2 x 5 mL	AT Heparin/Thrombin Reagent: 2 week at 2-8°C AT Thrombin Substrate: 2 weeks at 2-8°C AT IIa Dilution Buffer: 2 weeks at 2-8°C
T2603	TriniCHROM™ Antithrombin Xa	AT Factor Xa Reagent: 4 x 3 mL AT Factor Xa Substrate: 4 x 3 mL AT Xa Dilution Buffer (10X): 4 x 5 mL	All reagents are stable for 1 month at 2-8°C

TriniCAL™ Reference Plasmas

TriniCAL™ Reference control plasmas are citrated freeze-dried human plasmas which guarantee consistently accurate results.

PART NUMBER	PRODUCT NAME	PACKAGING	STABILITY
T5101	TriniCAL™ INR & Quick	4 x 1 mL (1 x 4 levels)	4 hours at 18-25°C

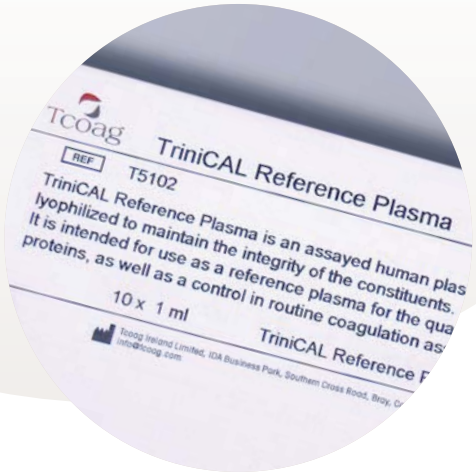
TriniCAL™ INR & Quick

Monitoring of coumadin or coumadin-like Oral Anticoagulant Therapy (OAT) is generally performed with the Prothrombin Time (PT) test. When used for monitoring OAT, the World Health Organization recommends normalizing and reporting the results of the PT test as an INR rather than seconds. The PT may also be reported in a normalized format as a Percent Activity.

TriniCAL™ INR & Quick Calibrator Set may be used to:

1. Determine the patient's INR directly by establishing an INR calibration curve.
2. Determine the patient's Percent Activity directly by establishing a Percent Activity curve.
3. Determine a local ISI value of the measurement reagent/instrument system used in the PT test.

- Four point curve for better discrimination across therapeutic range compared with other commercially available kits.
- Level 1 corresponds to a normal PT.
- Levels 2 through 4 correspond to increasing levels of coumadin anticoagulation.
- Instrument specific assignments provided for all PT Reagents for INR and % Activity.
- Each level's INR is assigned using International Reference Preparation thromboplastin(s).



TriniCAL™ Reference Plasmas

PART NUMBER	PRODUCT NAME	PACKAGING	STABILITY
T5102	TriniCAL™ Reference Plasma	10 x 1 mL	2 hours at 2-8°C

TriniCAL™ Reference Plasma is an assayed human plasma that has been lyophilised to maintain the integrity of the constituents. It is intended for use as a reference plasma for the quantitation of coagulation proteins and control in routine coagulation assays.

TriniCAL™ Fibrinogen

PART NUMBER	PRODUCT NAME	PACKAGING	STABILITY
T5104	TriniCAL™ Fibrinogen	10 x 1 mL	1 day at 2-8°C

TriniCAL™ Fibrinogen is a citrated lyophilised normal human plasma assigned and is specifically designed for use with the TriniCLOT™ Fibrinogen.

NEW TriniCAL™ PC/PS

PART NUMBER	PRODUCT NAME	PACKAGING	STABILITY
T5105	TriniCAL™ PC/PS	6 x 1 mL	4 hours on board the Destiny Max

TriniCAL™ PC/PS is plasma intended for use as calibration plasma for the functionnal assays of protein C and protrein S by the clotting method.

TriniCHECK™ Controls

TriniCHECK™ control plasmas

TriniCHECK™ control plasmas are pooled citrated freeze-dried human plasmas which guarantee consistently accurate results. Convenient and reliable, TriniCHECK™ plasmas are the Quality controls of choice for your haemostasis laboratory.

- Freeze-dried human plasmas guarantee reliable and accurate results.
- Both Assayed and Unassayed presentation.
- Convenient pack sizes.
- Consistent value assignments from lot to lot.

PART NUMBER	PRODUCT NAME	PACKAGING	STABILITY 2 - 8°C
	Un-Assayed		
T4111	TriniCHECK™ Level 1	10 x 1 mL	24 hours
T4112	TriniCHECK™ Level 2	10 x 1 mL	24 hours
T4113	TriniCHECK™ Level 3	10 x 1 mL	24 hours
	Assayed		
T4101	TriniCHECK™ Control 1	10 x 1 mL	24 hours
T4102	TriniCHECK™ Control 2	10 x 1 mL	24 hours
T4103	TriniCHECK™ Control 3	10 x 1 mL	24 hours
T4104	TriniCHECK™ Abnormal Control	10 x 1 mL	4 hours
	Speciality		
T4203	TriniCHECK™ Lupus Positive Control	6 x 1 mL	8 hours
	D-Dimer		
T4303	TriniCHECK™ D-Dimer 1	4 x 1 mL	2 days
T4304	TriniCHECK™ D-Dimer 2	4 x 1 mL	3 days
T4305	TriniCHECK™ D-Dimer 3	4 x 1 mL	3 days
NEW	**TriniCHECK™ LIA Control Set**		
T4306	TriniCHECK™ LIA Control N	12 x 1 mL	8 hours on board stability
T4306	TriniCHECK™ LIA Control ABN	12 x 1 mL	8 hours on board stability

Tcoag Control offering

PARAMETER	TRINICHECK™ CONTROL 1 (T4101)	TRINICHECK™ CONTROL 2 (T4102)	TRINICHECK™ CONTROL 3 (T4103)	TRINICHECK™ ABNORMAL CONTROL (T4104)	TRINICHECK™ D-DIMER 2 & 3 (T4304 & T4305)	TRINICHECK™ LIA CONTROLS (T4306)
PT	✓	✓	✓			
APTT	✓	✓	✓			
FIB	✓			✓		
TT	✓			✓		
AT	✓			✓		
Factor II, V, VII & X	✓			✓		
Factor VIII, IX, XI & XII	✓			✓		
D-Dimer					✓	
D-Dimer II						✓
Protein C	✓			✓		
Protein S	✓			✓		

TriniLIZE™ ELISA based Assays

TriniLIZE™ tPA Activity

TriniLIZE™ tPA Activity kit is a bio-functional immunosorbent assay (BIA) intended for the quantitative determination of human tissue plasminogen activator activity in plasma. The clinical utility of the assay is to detect disorders of the fibrinolytic system.

PART NUMBER	PRODUCT NAME	PACKAGING	STABILITY
T6002	TriniLIZE™ tPA Activity	Microtest strips: 12 strips PET Buffer: 1 vial tPA Activity Standard: 1 x 0.5 mL Substrate Reagent: 1 x 6 mL Plasminogen Reagent: 1 x 6 mL Citrate Buffer: 1 x 8 mL	Microtest Strips: 4 weeks at 2-8°C PET Buffer: 4 weeks at 2-8°C tPA Activity Standard: 8 hours on ice Substrate Reagent: 4 weeks at -20°C Plasminogen Reagent: 4 weeks at -20°C

TriniLIZE™ PAI-1 Antigen

TriniLIZE™ PAI-1 Antigen is an enzyme immunoassay (ELISA) for the quantitative determination of human plasminogen activator inhibitor, type 1 (PAI-1) antigen in human plasma.

PART NUMBER	PRODUCT NAME	PACKAGING	STABILITY
T6003	TriniLIZE™ PAI-1 Antigen	Microtest strips: 6 strips PET Buffer: 1 vial PAI-1 Depleted Plasma: 1 vial, 0.5 mL PAI-1 Standard Plasma: 1 vial, 0.5 mL Conjugate: 1 vial, 7 mL Substrate: 1 vial, 2 mL Hydrogen Peroxide: 1 vial, 2 mL Reagent Reservoirs: 6 each	All components are stable for 1 month at 2-8°C

TriniLIZE™ PAI-1 Activity

TriniLIZE™ PAI-1 Activity assay is a bio immunoassay (BIA) for the quantitative determination of active human plasminogen activator inhibitor, type 1 (PAI-1) in human plasma.

PART NUMBER	PRODUCT NAME	PACKAGING	STABILITY
T6004	TriniLIZE™ PAI-1 Activity	Microtest strips: 12 strips PET Buffer: 1 vial PAI-1 Standard Plasma: 0 IU/mL, 4 x 0.25 mL PAI-1 Standard Plasma: 50 IU/mL, 4 x 0.25 mL Conjugate: 1 x 5 mL HRP Substrate Solvent: 1 x 20 mL HRP Substrate: 4 tablets x 5 mg Reagent Reservoirs: 6 each	Microtest Strip: 1 month at 2-8°C PET Buffer: 1 month at 2-8°C PAI-1 Standards: 4 hours 2-8°C Conjugate: 1 month at -20°C HRP Substrate Solvent: 1 month at 2-8°C HRP Substrate: 1 month at 2-8°C

TriniLIZE™ Stabilyte tubes

TriniLIZE™ Stabilyte tubes are intended for collection of blood samples for the determination of tissue plasminogen activator (tPA), plasminogen activator inhibitor (PAI-1) and fibrinogen.

PART NUMBER	PRODUCT NAME	PACKAGING	STABILITY
T6006	TriniLIZE™ Stabilyte tubes	30 tubes	Until expiry date

TriniLIZE™ tPA/PAI Depleted Plasma RUO

TriniLIZE™ tPA/PAI Depleted Plasma: tPA antigen and PAI-1 antigen were removed by absorption with immobilized anti-tPA immunoglobulins and anti-PAI-1 immunoglobulins. *For Research Use Only.*

PART NUMBER	PRODUCT NAME	PACKAGING	STABILITY
T6007	TriniLIZE™ tPA/PAI Depleted Plasma	5 vials	2 weeks at -20°C

TriniLIZE™ PAI Activity Control RUO

To control the accuracy of PAI-1 activity determinations using the TriniLIZE™ PAI-1 Activity (T6004) kit. A range of activity controls are provided in the kit, from approximately 4 IU/mL to 40 IU/mL. *For Research Use Only.*

PART NUMBER	PRODUCT NAME	PACKAGING	STABILITY
T6008	TriniLIZE™ PAI Activity Control	0.5 mL x 4 levels	Store reconstituted vials frozen at -20°C or colder

Fibrinolysis Reference Plasma RUO

For Research Use Only. The Fibrinolysis Reference Plasma is intended to be used to verify the performance and accuracy of the following products:

- TriniLIZE™ tPA Activity (T6002).
- TriniLIZE™ PAI Activity (T6004).
- TriniLIZE™ PAI-1 Antigen (T6003).

PART NUMBER	PRODUCT NAME	PACKAGING	STABILITY
T6010	Fibrinolysis Reference Plasma	5 vials x 0.5 mL	Use within 30 minutes

Platelet Aggregation Reagents

Ristocetin Cofactor Assay

The **Ristocetin Cofactor Assay** is used for the quantitative determination of Factor VIII Ristocetin Cofactor activity in plasma.

Von Willebrand disease is associated with a decrease in Von Willebrand factor or Ristocetin Cofactor activity and it is generally accepted that the Ristocetin Cofactor activity is the most useful *in vitro* assay for the diagnosis of Von Willebrand disease. Levels of Ristocetin Cofactor activity are determined by the ability of the test plasma and Ristocetin to induce aggregation in a standardised platelet suspension.

Ristocetin is a lyophilised reagent derived from *Norcardia lurida* which induces platelet aggregation in normal Platelet Rich Plasma (PRP). In Von Willebrands disease, Ristocetin-induced platelet aggregation is impaired.

Lyophilised platelets are a preparation of fixed human platelets which have been lyophilised for long-term stability. Each vial of lyophilised platelets is reconstituted with the appropriate volume of Tris Buffered Saline to yield a platelet count of approximately 275,000 per µL.

• Provided as a kit and as separate components.

PART NUMBER	PRODUCT NAME	PACKAGING	STABILITY
50750	Ristocetin Cofactor Assay	Ristocetin 7.5 mg/vial lyophilised Human Platelets 6 mL Von Willebrand Reference Plasma: Normal 1 mL Von Willebrand Reference Plasma: Deficient 0.5 mL Tris Buffered Saline (TBS) 12 mL	Ristocetin: 7 days at 2-8°C Lyophilised Human Platelets: 8 days at 2-8°C Von Willebrand Reference Plasma, Normal: 4 hours at 2-8°C Von Willebrand Reference Plasma, Deficient: 4 hours at 2-8°C Tris Buffered Saline (TBS): until expiration date
50705	Ristocetin 7.5 mg/vial	10 x 0.5 mL	7 days at 2-8°C
50710	Platelets	3 x 6 mL	8 days at 2-8°C

Platelet Agonists

Both quantitative and qualitative platelet defects can result in altered Haemostasis. We provide the common agonists, namely: ADP and Collagen to assess normal platelet function and aid in the diagnosis of platelet function defects by way of Platelet Aggregometry.

PART NUMBER	PRODUCT NAME	PACKAGING	STABILITY
50704	ADP	3 x 0.5 mL	30 days at 2-8°C

Instruments

NEW DT 100 by Tcoag™

Destiny Max™

Destiny Plus™

KC4 Delta™

KC1 Delta™


DT 100

Instruments & Consumables

The Tcoag Family of Instrumentation

By offering unparalleled flexibility in our analyzer selection, the choice is truly yours…

	ACTIVITY			DETECTION MODE	
TCOAG INSTRUMENTATION	HIGH VOLUME	HIGH TO MID VOLUME	LOW VOLUME	MECHANICAL CLOT DETECTION	OPTICAL CLOT DETECTION
DT 100 by Tcoag™ NEW		✓		✓	✓
Destiny Max™	✓			✓	✓
Destiny Plus™		✓		✓	✓
KC4 Delta™			✓	✓	
KC1 Delta™			✓	✓	

NEW

DT 100 by Tcoag™

So Small, So Smart, So Fast

Fully-automated coagulation analyser with multiple measuring mode for clot-based, chromogenic and immunoturbidimetric tests

Smart Sample Handling

- Rack continuous loading to ensure maximum productivity
- Optimised pipetting for precious samples
- True STAT management

Optimized Reagent Management

- Continuous loading and unloading
- Tilted vial for low dead volume
- Unique VIN (Vial Identifier Number)

Unique Patented Cuvette Plate

- Optimised 4x4 cuvette processing
- 1 cuvette = 1 test
- All-in-one reaction plate

Software with coagulation expertise

- Smart result management with reflex testing and auto-validation
- Fully automated factor parallelism testing and graphical display
- Comprehensive QC monitoring, Westgard rules and Levey-Jennings

What Dual Technology

Optical Coagulation Detection

- State-of-the-art photometric module method
- 4-simultaneous wavelength reading
- Blue dye to guarantee reagent dispensing

Mechanical Coagulation Detection

- The original Amelung
- Reference method since the 70's
- No optical interferences from lipemic, icteric or hemolysed samples

Why Dual Technology

- Optical: Clot Waveform Analysis
- Mechanical: No need for HIL sorting and result provided even with turbid sample

DT 100: The best of both technologies

PART NUMBER	DESCRIPTION	PACKAGING
H02000 PACK	DT 100 complete with starter kit, PC, Touch Screen Monitor	1
	Consumables	
DTW	DT Wash	24 x 15 mL
Z04050	Destiny Cuvette Trays	set of 100
DSF	Destiny System Fluid	3 x 3.3 L
626060	1.5 mL Containers	100
242360	Stirring Magnet	10

Destiny Max™

High Throughput Coagulation Analyser

We introduce the latest high throughput Haemostasis analyser. It offers the best combination of existing and new technologies to provide operators with unique features in a flexible, easy to use system. Destiny Max™ is the only instrument offering the choice of optical or micro-mechanical clot detection with reliable cap piercing and result standardisation. The operational software is a state-of-the-art graphic user-interface. This provides an intuitive, multitasking functionality and flexibility, enabling convenient operation with continuous sample processing.

Comprehensive reagent management

- 55 on board reagents with 50 in cooling area and 8 stirred position
- Real continuous loading with Positive identification
- Monitoring of reagent volume, expiry and on board stability
- Multiple vials of same reagent for high workload testing

Safety and ease of use

Results are independent of the type of sample tube and make validation easier and faster

- Open and closed tubes combined on the same rack
- Convenient for all tubes including paediatric and Eppendorf
- Guaranteed accuracy of sample volume
- Optimised walk-away capacity with continuous loading of samples, reagents, cuvettes and system fluid and continuous unloading of solid and liquid waste

Multiple Measuring Technologies

Destiny Max™ gives you the flexibility to choose mechanical or optical clotting method.

Multiple Measuring Technologies

- Chronometric, Chromogenic and Immunoturbidimetric
- Wavelengths 340 nm, 405 nm, 635 nm, 705 nm
- Multiple simultaneous wavelength detection
- Reliable, accurate results on compromised samples - icteric, haemolytic and lipemic using Mechanical Clot detection

Flexible Software and Result Management

- Intuitive touch screen ICON driven software
- True multitasking system
- Comprehensive quality assurance
- Complete traceability and software security
- Factor parallelism and reflex testing
- System standardisation of results using TriniVeriCAL
- Result integrity checking with 'Blue Dye' technology
- Real time system monitoring

Destiny Max™ Instrument and Consumables

PART NUMBER	DESCRIPTION	PACKAGING
M01000PACK	Destiny Max™ complete with starter kit, PC, Touch Screen Monitor and Printer	1
	Consumables	
DPW20	Destiny Prowash	10 x 20 mL
Z04050	Destiny Cuvette Trays	set of 100
DSF	Destiny System Fluid	3 x 3.3 L
626050	Glass Vessel for Buffer/Reag./CaCl 20 mL	16
626065	Plastic Reagent Vessel 12 mL	20
626060	1.5 mL Containers	100
242360	PTT Stirring Magnet	10

Destiny Plus™

Medium Throughput Coagulation Analyser

The demand for rapid, accurate patient results from today's clinician requires a complete solution for the Haemostasis Laboratory. The Destiny Plus™ represents the ultimate in the fusion of technology and economy for coagulation automation in the mid to large-sized, routine or specialty laboratory. The unique combination of key features includes:

- **Patented Ball Method Mechanical Testing technology**
- **STAT results on-demand in under three minutes**
- **IntuiTouch user-friendly software with integrated reflexive testing**
- **Comprehensive test menu including clotting, chromogenic and immunoassay analysis**

Measuring Modes

Mechanical Measuring Modes

- TRUE mechanical measuring mode, the "Gold standard" - developed and perfected by Amelung
- Reliable, accurate results on compromised samples - icteric, haemolytic, lipemic and medicated

Optical Measuring Modes

- Optical clot detection
- Chromogenic assays
- Immunoturbidimetric assays

Ease of use

- Convenient for a variety of open primary and secondary tubes Including paediatric draw tubes and Eppendorf; multiple sample dilutions - parallelism studies
- Reagent management by volumes and number of tests remaining; reagent expiration monitoring by label and on-board time; uninterrupted reagent refill
- Continuous loading of samples, reagents, consumables and unloading of liquid and solid waste: refill and empty without interruption of sample processing
- Ability to manage multiple reagent lots and multiple calibration curves
- Intuitive touch screen icon driven software
- Simple maintenance

QC Features/Process Security

- Absolute sample verification by liquid level sensing probe; level sensing of reagents
- Positive barcode identification of samples and reagents
- Westgard Rules
- Levey-Jennings chart
- Real-time on-line log
- Maintenance log printout with operator ID tag
- Access to instrument status from every menu

Cost effective and economical

- Multifunctional cuvette tray ; partially used trays returned to start position so that unused cuvettes can be used in next processing period
- Walk-away time >2 hours
- Minimal maintenance : 5 min per day, 30 min per week
- No additional consumables

Destiny Plus™ Instrument and Consumables

PART NUMBER	DESCRIPTION	PACKAGING
H01000PACK	Destiny Plus™ complete with starter kit and Printer	1
	Consumables	
DPW10	Destiny Prowash	12 x 10 mL
Z04050	Destiny Cuvette Trays	set of 100
144005	Destiny Waste Tray (in instrument)	1
350361	Destiny Syringe - plunger tips	1 pack
626050	Glass Vessel for Buffer/Reag./CaCl 20 mL	16
626065	Plastic Reagent Vessel 12 mL	20
626060	1.5 mL Containers	100

KC4 Delta™ and KC1 Delta™

Semi Automated Coagulation Analyser

KC4 Delta™ and KC1 Delta™ are semi automated coagulation analysers with four or one test position(s), respectively, providing operators with a compact easy to use system. KC Delta™ series instruments use micro-mechanical clot detection technology for clotting assays.

Technology

- "Gold standard" mechanical detection
- Pipette auto start testing
- LCD display and optional printing of results
- Programmable test modes, single or duplicate testing

Measuring Features

- Pre packed single micro cuvettes with ball bearing for easy loading
- Store reagent ISI values for automatic INR calculation including calibration curves
- Preparation and incubation area for samples and reagents
- Suitable for STAT and routine testing
- Test menu for PT, APTT, Fibrinogen, Factors
- Maintenance free operation

KC4 Delta™ Instrument and Consumables

PART NUMBER	DESCRIPTION	PACKAGING
N04000PACK	KC4 Delta™ complete with starter kit (H12 x L45 x W35cm) (6.4kg)	1
	Consumables	
Z04140	Strips of 4 packed micro cuvettes with ball inside cuvette for KC4 Delta™	150 x 4
Z05111	Bulk cuvettes for KC4 Delta™ with balls packed separately in a ball dispensor	2000
	Optional Printers	
Z09165	Printer set KC4 Delta™ 230 /110 V	1
	Printer Consumables	
852015	KC Delta™ Thermal Printer Paper	1

KC1 Delta™ Instrument and Consumables

PART NUMBER	DESCRIPTION	PACKAGING
G05000PACK	KC1 Delta™ complete with starter kit (H8 x L21 xW14cm) (1.2kg)	1
	Consumables	
Z05100	Bulk cuvettes for KC1 Delta™ with balls packed separately without ball dispensor	1000
Z01000	Ball Dispenser for Z05100	1
	Optional Printers	
Z09160	Printer Set KC1 Delta™ 230 /110 V	1
	Printer Consumables	
852015	KC Delta™ Thermal Printer Paper	1

Notes

For further information, please contact:

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