



# Haemostasis

Catalogue





## CONTENTS

### Reagents

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#### TriniCLOT Routine Reagents

PT	2
aPTT	2
Fibrinogen	3
Thrombin Time	3
Factor Deficient Plasmas	3
Solutions	3

#### TriniLIA D-Dimer

TriniLIA D-Dimer	4
------------------	---

#### TriniCLOT Speciality Reagents

TriniCLOT Protein C	5
TriniCLOT Protein S	5
TriniCLOT Lupus Screen and Confirm	5

#### TriniCHROM Speciality Reagents

TriniCHROM Antithrombin IIa and TriniCHROM Antithrombin Xa	6
---------------------------------------------------------------	---

#### TriniCHECK Controls

TriniCHECK Controls	7
---------------------	---

#### TriniCAL Reference Plasmas

TriniCAL INR & Quick	8
TriniCAL Reference Plasma	8
TriniCAL Fibrinogen	8

### TriniLIZE ELISA based Assays

TriniLIZE tPA Activity	9
TriniLIZE PAI-1 Antigen	9
TriniLIZE PAI-1 Activity	9
TriniLIZE Stability tubes	10
TriniLIZE tPA/PAI Depleted Plasma RUO	10
TriniLIZE PAI Activity Control RUO	10
Fibrinolysis Reference Plasma RUO	10

### Platelet Aggregation Reagents

Ristocetin Cofactor Assay	11
Platelet Agonists	11

### Instruments and Consumables

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Destiny Max™	14
Destiny Plus™	16
KC4 Delta™ and KC1 Delta™	18

### Other Consumables

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Thrombolyzer and MTX	20
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*Note: availability depending upon the country*

## TriniCLOT™ Routine Reagents

### PT

**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)

- From cultured human cells; Only true human thromboplastin in the market.
- ISI 1.0-1.3
- International Sensitivity Index (ISI) value (optical and mechanical) provided with each batch.
- Calibrated against WHO international reference thromboplastin preparation.
- Used with TriniCHECK plasmas.

#### TriniCLOT PT Excel S and TriniCLOT PT Excel

- TriniCLOT PT Excel S (ISI =1.2): higher sensitivity to Factors II, VII and X.
- TriniCLOT PT Excel (ISI =2.0): moderate sensitivity to the extrinsic factors.
- International Sensitivity Index (ISI) value (optical and mechanical) provided with each batch.
- Buffer for reconstitution included in each package.
- Calibrated against WHO international rabbit reference thromboplastin preparation.
- Used with TriniCHECK plasmas.

PART NUMBER	PRODUCT NAME	PACKAGING	ISI	BLUE DYE	SOURCE	STABILITY
T1101	TriniCLOT PT HTF 20 mL	10 x 20 mL	1.0-1.3	Yes	Human	10 days at 2-8°C
T1102	TriniCLOT PT HTF 6 mL	10 x 6 mL	1.0-1.3	No	Human	10 days at 2-8°C
T1103	TriniCLOT PT Excel S 20 mL	5 x 20 mL	1.0-1.2	No	Rabbit	4 days at 2-8°C
T1104	TriniCLOT PT Excel S 6 mL	10 x 6 mL	1.0-1.2	No	Rabbit	4 days at 2-8°C
T1106	TriniCLOT PT Excel 6 mL	10 x 6 mL	1.8-2.0	No	Rabbit	4 days at 2-8°C

### aPTT

**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 lyophilized aPTT reagent and is considered to be the reagent of choice in the market due to its moderate factor and heparin sensitivity.

- **TriniCLOT aPTT S:** moderate sensitivity to the intrinsic factors, lupus and heparin.
- **TriniCLOT aPTT HS:** high sensitivity to the intrinsic factors, lupus and heparin.
- No reconstitution required with TriniCLOT aPTT S and TriniCLOT aPTT HS.
- Used with TriniCHECK plasmas.
- **TriniCLOT Automated aPTT** contains a Platelet Factor 3 reagent (rabbit brain phospholipids) plus a particulate activator (micronized silica) in a suitable buffer.

PART NUMBER	PRODUCT NAME	PACKAGING	FORMAT	CaCl <sub>2</sub> IN KIT	ACTIVATOR	STABILITY
T1201	TriniCLOT aPTT S 10 mL	5 x 10 mL	Liquid	Yes	Silica	30 days at 2-8°C
T1202	TriniCLOT aPTT S 3 mL	5 x 3 mL	Liquid	Yes	Silica	30 days at 2-8°C
T1203	TriniCLOT aPTT HS 10 mL	10 x 10 mL	Liquid	No	Silica	30 days at 2-8°C
T1204	TriniCLOT aPTT HS 3 mL	10 x 3 mL	Liquid	No	Silica	30 days at 2-8°C
T1205	TriniCLOT Automated aPTT 6 mL	10 x 6 mL	Lyophilised	No	Silica	7 days at 2-8°C
T1206	TriniCLOT Automated aPTT 3 mL	10 x 3 mL	Lyophilised	No	Silica	7 days at 2-8°C
T1902	TriniCLOT Calcium Chloride 0.025 M	10 x 10 mL	Liquid			Until expiry date

## 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.

- TriniCLOT Fibrinogen provided in kit format and as individual components.
- Used with separate TriniCHECK Control 1 (T4101) and TriniCHECK Abnormal Control (T4104).

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	Until expiry date
T5104	TriniCAL Fibrinogen	10 x 1 mL	1 day at 2-8°C

## 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

## 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

## TriniLIA D-Dimer

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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 405nm.

- 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

## TriniCLOT™ Speciality Reagents

### TriniCLOT Protein C

**TriniCLOT Protein C** kit is intended for the quantitative determination of plasma Protein C activity by clotting assay.

In this assay, Protac is co-lyophilized with aPTT reagent to form a reagent which activates both Protein C and the contact factors of the intrinsic pathway. With this reagent the clotting time of normal plasma is very long (>100 seconds) while that of Protein C deficient plasma is essentially the same as the aPTT (about 30–40 seconds). When patient plasma is mixed with Protein C deficient plasma the prolongation of the clotting time is proportional to the amount of Protein C in the patient plasma.

- Used with TriniCHECK Control plasmas, TriniCAL Reference plasma (T5102) and TriniCHECK Abnormal Control (T4104)

PART NUMBER	PRODUCT NAME	PACKAGING	STABILITY
T1601	TriniCLOT Protein C	PC Activator: 3 x 1.5 mL PC Deficient Plasma: 3 x 1.5 mL PC Control Plasma: 3 x 0.5 mL PC Dilution Buffer (10X): 3 x 5 mL	Protein C Activator: 48 hours at 2-8°C Working Dilution Buffer: 1 month at 2-8°C

### TriniCLOT Protein S

**TriniCLOT Protein S** is intended for the quantitative determination of Protein S activity in human plasma. The **TriniCLOT Protein S** assay is a clotting-based plasma assay. In the assay, dilutions of patient plasma are mixed with Protein S depleted plasma. A reagent that contains Factor Xa, activated Protein C and phospholipids is added to the mixture. Following a 5 minute incubation period, calcium chloride is added to initiate clot formation. Under these conditions, the prolongation of the clotting time is directly proportional to the concentration of the Protein S in the patient plasma.

- Used with TriniCHECK Control 1 (T4101), TriniCAL Reference Plasma (T5102) and TriniCHECK Abnormal Control (T4104).

PART NUMBER	PRODUCT NAME	PACKAGING	STABILITY
T1602	TriniCLOT Protein S	PS Activator Reagent: 4 x 1 mL PS Dilution Buffer (10X): 2 x 2.5 mL PS Control Plasma: 2 x 0.5 mL PS Depleted Plasma: 4 x 1 mL	PS Activator Reagent: 4 hours at 2-8°C PS Dilution Buffer: 30 days at 2-8°C PS Control Plasma: one hour at 2-8°C PS Depleted Plasma: 4 hours at 2-8°C

### 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 2-8°C
T1605	TriniCLOT Lupus Confirm	10 x 1 mL	48 hours at 2-8°C
T4203	TriniCHECK Lupus Positive Control	6 x 1 mL	8 hours at 2-8°C

## 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.
- Used with TriniCHECK Control 1 (T4101), TriniCHECK Abnormal Control (T4104) and TriniCAL Reference Plasma (T5102).
- TriniCHROM Antithrombin IIa assay is sensitive to Heparin Cofactor. TriniCHROM Antithrombin Xa assay is insensitive to Heparin Cofactor.

PART NUMBER	PRODUCT NAME	PACKAGING	STABILITY
T2602	TriniCHROM Antithrombin IIa	AT Heparin/Thrombin Reagent: 4 x 12 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



## TriniCHECK™ Controls

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

TriniCHECK CONTROLS			
PART NUMBER	PRODUCT NAME	PACKAGING	STABILITY 2-8°C
	<b>Un-Assayed</b>		
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
	<b>Assayed</b>		
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
	<b>Speciality</b>		
T4203	TriniCHECK Lupus Positive Control	6 x 1 mL	8 hours
	<b>D-Dimer</b>		
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

## TriniCAL™ Reference Plasmas

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

### 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).

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 Reference Plasma

**TriniCAL Reference Plasma** is an assayed human plasma that has been lyophilized 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.

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

### TriniCAL Fibrinogen

**TriniCAL Fibrinogen** is a citrated lyophilized normal human plasma assigned and is specifically designed for use with the TriniCLOT Fibrinogen kit.

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

## 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 (Cat # 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, Cat. # T6002
- TriniLIZE PAI Activity, Cat. # T6004
- TriniLIZE PAI-1 Antigen, Cat. # 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 standardized platelet suspension.

Ristocetin is a lyophilized reagent derived from *Norcardia lurida* which induces platelet aggregation in normal Platelet Rich Plasma (PRP). In von Willebrand's disease, Ristocetin-induced platelet aggregation is impaired.

Lyophilized platelets are a preparation of fixed human platelets which have been lyophilized for long-term stability. Each vial of lyophilized platelets is reconstituted with the appropriate volume of Tris Buffered Saline to yield a platelet count of approximately 275,000 per  $\mu\text{L}$ .

- Provided as a kit and as separate components

PART NUMBER	PRODUCT NAME	PACKAGING	STABILITY
50750	Ristocetin Cofactor Assay	Ristocetin 7.5 mg/vial Lyophilized 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 Lyophilized 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
8851	Collagen	3 x 1 mL	2 weeks at 2-8°C
50704	ADP	3 x 0.5 mL	30 days at 2-8°C



# Instruments & Consumables

## The Tcoag Family of Instrumentation

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

Tcoag Instrumentation	High Volume	High to Mid Volume	Low Volume	Mechanical Clot Detection	Optical Clot Detection
Destiny Max™	•			•	•
Destiny Plus™		•		•	•
KC4 Delta™			•	•	
KC1 Delta™			•	•	

# Destiny Max™

## High Throughput Haemostasis 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

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- 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

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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

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

Multiple Measuring Technologies

- Chronometric, Chromogenic and Immunospectrometric
- 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
M01000	Destiny Max™ complete with starter kit, PC, Touch Screen Monitor and Printer	1
	<b>Consumables</b>	
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 Haemostasis 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

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#### 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

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- Primary tube sampling from 3mL to pediatric draw tubes; 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



## Speed and Throughput

- Throughput : 180 PT/hour, 16 PT and APTT/hour
- Capacity: 440 cuvettes, 50 samples, 26 to 31 positions for reagents and controls
- Fast turn-around-time : time until first 4 results: 3 min, minimum walk-away time of 2 hours
- STAT ordering of any sample on board in any position

## 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

- System fluid: Deionised water
- 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
H01000P	Destiny Plus™ complete with starter kit and Printer	1
	<b>Consumables</b>	
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
242360	PTT Stirring Magnet	10
A6471	Lysol	1 x 5 L

# 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

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

### Measuring Features

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- 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
N04000	KC4 Delta™ complete with starter kit	1
	<b>Consumables</b>	
Z04140	Tetravettes Micro Box	150 x 4
832150	Glass Tubes 14.5 x 85 mm	200
832155	Plastic Tubes 14.5 x 85 mm	100
838012	KC4 Combitips (1.25 mL)	100
838025	Combitips 2.5 mL	100
837045	Pipette tips, 200 µL	pack of 96
111028	Pipette sleeve	1
	<b>Optional Consumables</b>	
Z05111	Macro cuvettes with balls	2000
	<b>Optional Printers</b>	
Z09165	Printer Set KC4 Delta™ 230 V	1
Z09161	Printer Set KC4 Delta™ 110 V	1
	<b>Optional Printers Consumables</b>	
852015	KC Delta™ Printer Paper	1

## KC1 Delta™ Instrument and Consumables

PART NUMBER	DESCRIPTION	PACKAGING
G05000	KC1 Delta™ complete with starter kit	1
	<b>Consumables</b>	
Z04101	Macro Univettes	220 pieces
832150	Glass Tubes 14.5 x 85 mm	200
832155	Plastic Tubes 14.5 x 85 mm	100
837045	Pipette Tip Box	96
	<b>Optional Consumables</b>	
Z05100	Macro cuvettes with balls	1000
Z01000	Ball Dispenser	1
	<b>Optional Printers</b>	
Z09160	Printer Set KC1 Delta™ 230 V	1
Z09161	Printer Set KC1 Delta™ 110 V	1
	<b>Optional Printers Consumables</b>	
852015	KC Delta™ Thermal Printer Paper	1

## Thrombolyzer and MTX Instrument Consumables

These instruments have been discontinued. However, Tcoag is committed to providing you with consumables and accessories for a specified period of time. Ask your local representative for further information.



BEHNK CODE	BX CODE	DESCRIPTION	PACKAGING
<b>Thrombolyzer XRC consumables</b>			
054-520		Cuvette Racks for Cap Piercing XRC	2320
054-420	BX216006	Cuvettes rack for X, XR, XRC	2320
050-111	BX216028	Cuvettes Hitachi	250
054-521		Pre-dilution bars	25
050-810	BX85006	Magnetic stirrers 12 mm	10
055-200	BX216310	TRL Clean Sticks	1
055-300		Inserts for waste drawer	10
400-106	BX45616318	Syringe Hamilton 0.5 mL	1
670-602	BX45616491	Water tank 5 L	1
050-950	BX85013	Clean solution	500 mL
050-610	BX85042	Reagent containers 25 mm	100
050-611	BX85043	Reagent containers 30 mm	100
050-618	BX216633	Reagent-Container 16 mm	100
050-940	BX216347	Kaolin suspension 3 g/l 100 mL	100 mL
050-710	BX95667	Lids for 050-610	25
050-711	BX216014	Lids for 050-611	25
<b>Thrombolyzer Compact X/XR consumables</b>			
054-420	BX216006	Cuvettes rack for X, XR	2320
050-111	BX216021	Cuvettes hitachi	250
050-280	BX2160321	Cuvettes for pre-dilution for compact X, XR RackRotor	800
050-610	BX216019	Reagent container diam 25 mm	100
050-611	BX216013	Reagent container diam 30 mm	100
050-618	BX260252	Reagent container diam 16 mm	100
050-710	BX95667	Lids for 050-610 25 pcs	25
050-711	BX216014	Lids for 050-611 25 pcs	25
050-810	BX259523	Magnetic stirrers 12 mm 10 pcs	10
055-200	BX216310	Clean stick	1
050-940	BX216347	Kaolin suspension 3g/l 100 mL	100 mL
050-950	BX216018	Clean Solution	500 mL



PART NUMBER	DESCRIPTION	PACKAGING
BX209746	CAM-MTX Cuvettes	(60 x 32)
BX209748	CAM-MTX wash solution	5 x 15 mL
BX209751	CUP SAMPLE MTX 4 mL	500
BX210165	MTX Desinfectant	5 x 20 mL
BX259875	Reagent vials	10 x 10 mL
BX259876	Small reagent vials	10 x 6 mL
BX259887	Hitachi cups	1 x 12
BX259523	Teflon stir bars	10
BX209752	Reagent adaptors	2
BX209755	5 L container	1
BX209756	2 L container	1



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