

# Hemostat Systems

## Semi to Fully Automated Clot Detection

- > For low to medium volume laboratories
- > Routine assay range from one source
- > Validated application settings

CoreLab DX

### HEMOSTASIS



**Human**

Diagnostics Worldwide

# Hemostat Reagents

## Sensitive and Reliable

- > Routine assay range from one source
- > Dedicated calibrator and controls
- > Validated for all HUMAN coagulation analyzers



### HEMOSTAT THROMBOPLASTIN liquid

Highly sensitive reagent intended for the determination of prothrombin time (PT) in liquid format. Due to its factor sensitivity it can be used to assay the activity of coagulation factors in the extrinsic and common pathway of coagulation (factors II, V, VII, and X).

- > Ready-to-use liquid reagent
- > No preparation step needed, freeing up lab technician's time for more important tasks

	REF
Complete kit 6 x 2 ml	31012

### HEMOSTAT THROMBOPLASTIN-SI

Highly sensitive reagent for the determination of prothrombin time (PT) in lyophilized format. Due to its factor sensitivity it can be used to assay the activity of coagulation factors in the extrinsic and common pathway of coagulation (factors II, V, VII, and X).

- > Lyophilized reagent
- > Ready-to-use reconstitution medium included, thereby reducing the risk of errors during reconstitution

	REF
Complete kit 6 x 2 ml	31002
Complete kit 6 x 10 ml	31003

### HEMOSTAT aPTT-EL

Determination of activated partial thromboplastin time (aPTT) in liquid format.

Due to its factor sensitivity it can be used to assay the factor deficiency of coagulation factors in the intrinsic and common pathway of coagulation (VIII, IX, XI, and XII).

- > Ready-to-use liquid reagent, thereby reducing the risk of errors during reconstitution and freeing up lab technicians' time for more important tasks
- > Superior factor sensitivity, sensitive to heparin and lupus anticoagulants

	REF
Complete kit 6 x 4 ml	33002
aPTT reagent 6 x 4 ml	33012
aPTT reagent 6 x 10 ml	33013
CaCl <sub>2</sub> 4 x 30 ml	33022

### HEMOSTAT FIBRINOGEN

Determination of fibrinogen in plasma.

It is used in the determination (Clauss method) of fibrinogen in the diagnosis, treatment monitoring and prognosis of various hemorrhagic disorders.

- > Lyophilized reagent (long stability after reconstitution)
- > Test based on the Clauss reference method

	REF
Complete kit	32002
5 x 2 ml fibrinogen reagent, 1 x 100 ml buffer, 2 x 1 ml reference plasma	

## HEMOSTAT THROMBIN TIME

Assay for use on manual or fully automated coagulation instruments. It is a routine test suitable for monitoring fibrinolytic therapy, screening for disorders of fibrin formation and to monitor heparin therapy.

- > Lyophilized reagent
- > Assay based on human thrombin

Complete kit 6 x 1 ml

REF  
34002



## HEMOSTAT D-DIMER

Microparticle enhanced immunoassay test for the quantitative determination of d-dimer in citrated human plasma with manual and automated coagulation analyzers.

- > Ready-to-use liquid reagent
- > Intravascular thrombosis formation is always accompanied by subsequent thrombolysis raising the level of D-dimer

Complete kit

REF  
36002

## Calibrator and Controls



## HEMOSTAT Calibrator

Reliable exclusion of thrombosis.

- > Calibration of tests to determine the prothrombin time (PT)
- > Can be used on semi automated and fully automated coagulation analyzers
- > To generate a standardized curve where 100% = Coag. time of a Normal Plasma Pool

4 x 1 ml lyophilized human plasma pool for PT REF  
35500

## HEMOSTAT Control Plasma

Routine quality control for use with PT, aPTT, FIB and TT.

- > Lyophilized human plasma

6 x 1 ml control plasma normal REF  
35001  
6 x 1 ml control plasma abnormal 35002

## HEMOSTAT D-DIMER CONTROL HIGH/LOW

Routine quality control for use with d-dimer.

- > Lyophilized human plasma

Lyophilized control plasma, 4 x 1 ml REF  
35500  
2 vials "high", 2 vials "low" \_\_\_\_\_

# Hemostat Systems

Huge in Performance, Compact in Size

Quality Made in Germany



- > Maximum precision by sample mixing
- > Homogenization of reaction mix through stirring
- > Maximum assay measurement flexibility with clotting, chromogenic, immunologic and turbidimetric



HumaClot Pro



Movie

## Enhanced Reliability

- > Sample level detection reduces the risk of sample-to-sample contamination
- > Internal sample barcode reader
- > Smart card technology ensures reliable results with HUMAN consumables and validated reagents

## Stand-alone Operation

- > Auto-calibration, auto-dilution, auto-repeat
- > Heating reagent and sample pipettor unit for higher throughput
- > Reagent level detection

## Cost saving Operation

- > One reaction cuvette per test only
- > Low consumption of wash solution
- > Only three types of consumables: cuvettes, wash and cleaning solution



## HumaClot Pro

Fully automated compact coagulation analyzer REF 15800

- > Up to 100 PT/h
- > Up to 58 t/h in mixed assay mode
- > HUMAN reagents preprogrammed
- > Integrated PC and touchscreen
- > Disposable cuvette ring for 32 incubations
- > Low consumption of liquid and cuvette consumables
- > 3 STAT and 22 sample positions

## Consumables

		REF
Cuvette Rings 6 x 10 x 32	1920 tests	15800/10
Washing Solution	5 x 15 ml	15800/20
Sample Cups 4 ml	2 x 250 pcs	15800/25
Sample Cups 2 ml	500 pcs	17470/59
Reagent Cups 1 ml	100 pcs	15800/15
Cleaner	5 x 15 ml	15800/30
Reagent Vials 5 ml with Caps	50 pcs	15800/40
Teflon Stirrer Bar	10 pcs	15800/50

## Accessories

		REF
Inkjet Printer USB		15800/60
Adapter Reagent Cup 1 ml	1 pc	15800/53

## Economic and Accurate

Quality Made in Germany



Highly Reliable  
and Service-free



### HumaClot Duo<sup>Plus</sup>

REF

2-channel LED coagulation instrument

15650

- > Results displayed in:  
seconds, INR, ratio/% of norm, ng/dl, mg/dl, g/l
- > Twin cuvette for simultaneous incubation and measurement
- > TIC<sup>2</sup> Technology for clotting, chromogenic, immunologic and turbidimetric measurements
- > Reagent stirring
- > Up to 5 calibration points
- > Built-in incubator
- > Optional autopipette with electronically triggered start

### Consumables

REF

HumaClot Single Cuvettes      500 pcs      18690

HumaClot Double Cuvettes      250 pcs      15651/10

### Accessories

REF

AutoHumaPette      19515 A

20 µl / 50 µl / 100 µl / 200 µl

Handheld CCD Barcode Reader      15651/60

EU 230 VAC Thermoprinter      15651/20

US 120 VAC Thermoprinter      15651/21

JP 100 VAC Thermoprinter      15651/22

### HumaClot Junior

REF

1-channel LED coagulation instrument

18680

- > Results displayed in:  
seconds, INR, ratio/% of norm, ng/dl, mg/dl
- > TIC<sup>2</sup> Technology for clotting, chromogenic, immunologic and turbidimetric measurements
- > Stores 8 methods (incl. PT, aPTT, FIB, TT and DD)
- > Built-in incubator
- > Autostart function
- > Low sample and reagent volume

### Consumables

REF

HumaClot Single Cuvettes      500 pcs      18690

### Accessories

REF

EU 230 VAC Thermoprinter      15651/20

US 120 VAC Thermoprinter      15651/21

JP 100 VAC Thermoprinter      15651/22



# Hemostat Systems

Quality Made in Germany



	HumaClot Junior	HumaClot Duo <sup>Plus</sup>	HumaClot Pro
Type	Semi automated	Semi automated	Fully automated
Measuring channels	1	2	2
Wavelengths	405 nm	405 nm	405 nm, 570 nm, 740 nm
User definable open channels	8	18	50
Preinstalled HUMAN application settings	Prothrombin time (PT) Activated partial thromboplastin time (aPTT) Thrombin time (TT) Fibrinogen (FIB) D-dimer (DD)	Prothrombin time (PT) Activated partial thromboplastin time (aPTT) Thrombin time (TT) Fibrinogen (FIB) D-dimer (DD)	Prothrombin time (PT) Activated partial thromboplastin time (aPTT) Thrombin time (TT) Fibrinogen (FIB) D-dimer (DD)
Sample incubation positions 37°C	8	12	32 incubation positions in one reaction ring
Sample positions	8	12	25 (22 + 3 STAT)
Reagent positions	2	5	15 reagent 2 wash/clean solution
Reagent stirring bar	No	2 reagent positions	3 reagent positions
Reagent prewarmed	Reagent position heated	Reagent position heated	Needle heating
Calibration	Up to 3 points	Up to 5 points	Up to 7 points incl. auto-dilution
Sample barcode reader (sample ID)	No	Optional, external	Internal

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