



HEMOSTASIS RANGE



Making Automation Affordable
for Labs Everywhere

www.erbamannheim.com

WHY CHOOSE ERBA MANNHEIM

Backed by over 40 years of experience, Erba Mannheim is a leading player in the IVD industry.

Specialising in emerging markets, Erba understands the needs of small to medium laboratories and has designed a range of coagulation systems that enable laboratory staff everywhere to produce high quality results. The range has been designed to be easy to use, efficient in operation and reliable.

HEMOSTASIS RANGE

FLEXIBLE | ROBUST | USER-FRIENDLY

From semi-automated to fully automatic analysers, Erba Haemostasis instruments range have the smallest footprint and are built with high quality materials to meet your laboratory needs everywhere around the globe.

Quality focused, Erba developed ECL systems with advanced features to strictly monitor analyzers performance and deliver the highest quality results.

The same reagents, quality controls, calibrators and consumables are used in all ECL analyzers, allowing the method standardization and consolidation of all routine and specialty testing.



Powerful

MORE THAN 4000 INSTALLATIONS

Designed to be easy-to-use and accessible the ECL range are well received by users all over the world.

ECL instruments were developed to serve as a main or backup system and reach all laboratory needs.



Flexible

VERSATILITY

ECL systems meets the needs of many different laboratories providing accomplishment of low turn around times objectives and the opportunity to give faster and the best patients results, since all analyzers range have the possibility to perform routine and special testing.



Efficient

SAVE TIME

ECL systems contributes to efficient lab workflows. Really simple to learn, easy to use with small size, gives the right tranquility of implementation at any laboratory.

With an intuitive software menu, and reduced training needs ensures maximizing your team's time.

[ECL 760](#)[ECL 412](#)[ECL 105](#)[REAGENTS](#)

ECL 760 ^{v3}

Advanced Fully Automated Analyzer

ECL 760 is the larger analyzer from Erba hemostasis portfolio.

Developed to offer a small foot-print with reduced size and weight, a simple and versatile handling, the ECL 760 supplies total comfort on the easiest integration, maximizing your time and ensuring efficient workflow at your lab.

ECL 760 is an advanced random-access instrument, performs clotting, chromogenic, and immunologic testing and gives user option to define their own testing methodologies while allowing the consolidation of both specialty and routine reagents in one fully automated analyzer.

ECL 760 is the right choice to implement in low to medium or as a backup in large throughput laboratories.



Key features of ECL 760



RELIABILITY

Reliable and safe testing

- Operator password protection
- Check status of individual samples during testing
- Automatic monitoring on-board reagent levels
- Internal sample barcode scan for automatic and positive ID process



EFFICIENCY

Better utilize resources with time and money saving features

- On-board reagent cooling
- Configurable reagent racks for different sized vials on a single rack and minimal reagent waste with reagent adaptors
- Automatic reagent level detection
- Simplified daily maintenance (<5 minutes)
- Easy-to-use system handling with intuitive menu structure and tilted color touchscreen
- Flexibility in result management



ROUTINE & SPECIALTY TESTING

Make specialty testing routine through convenient and consolidated testing

- Clotting, chromogenic and immunochemical assays
- Workflow consolidation for simultaneous specialty and routine testing
- Maximize high-volume routine workloads with true random-access and walk-away ability
- Auto QC reporting and auto-calibration
- STAT turnaround time priority setting
- Open programming for user definable assays



INNOVATIVE

Enhance result management through innovative software features

- User-defined specialty menu with reflex testing and customized profiles
- QC program with automatic Levey - Jennings graph monitors system performance



ECL 412 $\Lambda\Xi$

4 channel semi-automated

The ECL 412 performs all types of hemostasis assays on a single instrument.

With its large colour touch-screen and intuitive modern user interface, it is simple to use for all clinical hemostasis testing.

Key features of ECL 412



TRACEABILITY

- Pre-defined testing protocols for Erba Hemostasis reagents
- Printable calibration curves
- Monitoring of expirations of reagent, Calibrators and Controls
- Quality Control program with automatic Levey Jennings graph monitors system performance
- LIS compatible (by serial or Ethernet connection)



MEASURING

4 measuring channels:

- 4 for Clotting assays by light scatter at 640nm
- 2 for Immuno-Turbidimetric assays at 800nm
- 2 for Chromogenic assays by colorimetry at 405nm



REAGENT POSITIONS

12 reagent positions, 2 stirrable

- 7 positions for 37°C +/- 0.2°C incubated reagents, including 1 for vial with programmable stirring
- 5 positions for ambient reagents, including 1 for vial with programmable stirring



INCUBATION

20 reaction cups incubation positions at 37°C +/- 0.2°C



AUTOMATION

Automatic start with standard pipettes



THROUGHPUT

Increased throughput by additional preparation line



SECURITY

RFID for security of use



ECL 105 $\Lambda\Xi$

Single channel semi-automated

The ECL 105 analyzer is ideal for small laboratories.

It performs measurements of all clotting assays as well as DDimer. With a colour touch-screen and intuitive user interface, the ECL-105 is simple to use and ensures quality results.

Key features of ECL 105



TRACEABILITY

- Pre-defined testing protocols for Erba Hemostasis reagents
- Printable calibration curves
- Monitoring of expirations of reagent, Calibrators and Controls
- Quality Control program with automatic Levey Jennings graph monitors system performance
- LIS compatible (by serial or Ethernet connection)



MEASURING

Single channel:

- Clotting assays by light scatter at 640nm
- Immuno-Turbidimetric assays at 800nm



REAGENT POSITIONS

5 reagent positions, 1 stirrable

- 3 positions for 37°C +/- 0.2°C incubated reagents, including 1 for vial with programmable stirring
- 2 positions for ambient reagents



INCUBATION

5 reaction cups incubation positions at 37°C +/- 0.2°C



AUTOMATION

Automatic start with standard pipettes



THROUGHPUT

Increased throughput by additional preparation line



SECURITY

RFID for security of use

ID	%	INR	Sec.
141027-1	95	1.02	14.1
141027-2	35	36.2	2.45
141027-3			

141027-3
INCUBATION
50 sec.

ANALYSIS
RESULTS
QC
CALIBRATION
SYSTEM



Erba Haemostasis

Reagent Line

A Comprehensive and Evolving Line of Universal Reagents.

Can be used on Erba instruments (automatic or semi-automatic) as well as open systems (optical or mechanical), different packaging sizes can accommodate the needs of small to medium-high laboratories.

More parameters will be added to respond to customer needs.



ECL 760 ^{vE}

Technical Specifications

SYSTEM INFORMATION			
System Configuration		Reagents Area	
Automatic & Bench coagulometer		Up to 23 vials on-board capacity	
Continuous random access		1 heated probe	
Real walk-away		Liquid level detection function	
		Reagent refrigeration 13°C-15°C	
Measurement		Calibration	
Principle	Photo-optical	Up to 6 calibration levels per assay	
Method	Clotting (640nm)	Automatic calibration	
	Chromogenic (405nm)	Storage of the active calibration curve	
	Immuno-turbidimetric (575nm)		
Dimensions		Quality Controls	
Width	650 mm / 25.5 in	12 different levels of control	
Depth	580 mm / 22.8 in	Comprehensive QC program including automatic	
Height	510 mm / 20.1 in	Levey-Jennings plotting	
Weight	53 Kg / 116.84 Lb	Multi Rules	
Cuvettes/Disposables		Software/Connectivity	
72 cuvettes		Workstation	Windows-based operating system
2 cuvette racks		Interface	ASTM Protocol
Radio Frequency Identification (RFID) controller		Host	Bidirectional RS-232 serial port
		Printer	Internal thermal printer
		Traceability	Result traceability function
		Storage capacity > 10000 data curves	
Throughput		Power Supply	
PT	60 tests/h	Voltage	100V-240V (+/-10%)
PT/APTT	40 tests/h	Frequency	50Hz/60 Hz
		Power	400VA
		Consumption	
Sample Area		Environmental Requirements	
7 independent measuring channels		Operating Temperature: 17-32°C	
27 samples on-board		Humidity Max.: 85% (non-condensing)	
Continuous loading and unloading sample racks			
Positive barcode identification			
Automatic pre-dilution & dilution of samples			
STAT sample processing			
Room temperature storage			



ECL 412

Technical Specifications

SYSTEM INFORMATION			
System Configuration		Reagents Area	
Semi-automatic & Bench coagulometer		12 reagent positions • 7 positions at 37°C (+/- 0.2°C) • 5 positions at ambient temperature. • 2 stirring positions	
Measurement		Calibration	
Principle	Photo-optical	Up to 6 calibration levels per assay	
Method	Clotting (640nm)	Active calibration curve storage	
	Chromogenic (405nm)		
	Immuno-turbidimetric (800nm)		
Dimensions		Quality Controls	
Width	300 mm / 11.8 in	Up to 12 different QC's setup	
Depth	290 mm / 11.4 in	Automatic Levey-Jennings plotting	
Height	90 mm / 3.5 in	Automatic statistics calculation	
Weight	3 Kg / 6.6 Lb	Storage up to 600 QC's results	
Cuvettes		Software/Connectivity	
20 positions incubation reaction cuvettes		Screen	Colour touch-screen
Radio Frequency Identification (RFID) controller		Interface	ASTM 1381 Protocol
		Host	Bidirectional serial or Ethernet connection
		Printer	Built-in thermal printer
		USB	3 USB ports (2 types A and 1 type B)
		Traceability	Monitoring of expirations of reagent, Calibrators and Controls
			Storage up to 900 patients results
Power Supply		Sample Area	
Voltage	100V - 240V	4 independent measuring channels	
Frequency	50Hz - 60Hz	Temperature controlled: 37°C (+/- 0.2°C)	
In-Rush Power	150VA or less	Automatic start with standard pipettes	
Environmental Requirements			
		Operating Temperature: 17-32°C	
		Humidity Max.: 80% (non-condensing)	

ECL 105

Technical Specifications

SYSTEM INFORMATION			
System Configuration		Reagents Area	
Semi-automatic & Bench coagulometer		7 reagent positions • 5 positions at 37°C (+/- 0.2°C) • 2 positions at ambient temperature. • 1 stirring position	
Measurement		Calibration	
Principle	Photo-optical	Up to 6 calibration levels per assay	
Method	Clotting (640nm) Immuno-turbidimetric (800nm)	Active calibration curve storage	
Dimensions		Quality Controls	
Width	216 mm / 8.5 in	Up to 12 different QC's setup	
Depth	205 mm / 8.1 in	Automatic Levey-Jennings plotting	
Height	75 mm / 3.0 in	Automatic statistics calculation	
Weight	~1 Kg / ~2.2 Lb	Storage up to 1000 of QC's results	
Cuvettes		Software/Connectivity	
5 positions incubation reaction cuvettes		Screen	Colour touch-screen
Radio Frequency Identification (RFID) controller		Interface	ASTM 1381 Protocol
		Host	Bidirectional serial or Ethernet connection
		Printer	Built-in thermal printer
		USB	3 USB ports (2 types A and 1 type B)
		Traceability	Monitoring of expirations of reagent, Calibrators and Controls
			Storage up to 1000 patients results
Power Supply		Sample Area	
Voltage	100V - 240V	1 measuring channel	
Frequency	50Hz - 60Hz	Temperature controlled: 37°C (+/- 0.2°C)	
In-Rush Power	150VA or less	Automatic start with standard pipettes	
Environmental Requirements			
		Operating Temperature: 17-32°C	
		Humidity Max.: 80% (non-condensing)	



REAGENT LINE

Order Codes

ROUTINE TESTS				
Cat No	Product / Analyte	Package name	Package size	Method / Comment
EHL00001	PT	Erba Protime 20	4 x 5 mL	Clotting, Low ISI, Lyophilized
EHL00002	PT	Erba Protime 40	8 x 5 mL	Clotting, Low ISI, Lyophilized
EHL00024	PT	Erba Protime LS 10	2 x 5 ml	Clotting, Low ISI, Liquid
EHL00046	PT	Erba Protime LS 50	10 x 5 ml	Clotting, Low ISI, Liquid
EHL00047	PT	Erba Protime LS 100	10 x 10 ml	Clotting, Low ISI, Liquid
EHL00003	APTT	Erba Actime 30	6 x 5 ml	Clotting, Liquid,
EHL00004	APTT	Erba Actime 50	10 x 5 ml	Clotting, Liquid,
EHL00005	Fibrinogen	Erba Thrombin Reagent 10	5 x 2 ml	Clotting, Clauss Fibrinogen
EHL00006	Fibrinogen	Erba Thrombin Reagent 20	10 x 2 ml	Clotting, Clauss Fibrinogen
EHL00007	Thrombin Time	Erba Thrombin Time 20	4 x 5 mL	Clotting
FIBRIN DEGRADATION PRODUCT				
EHL00049	DDimer	Erba DDimer R 60	1 x 7 mL DDimer Buffer 1 x 4 mL DDimer Latex	Immunoturbidimetric, Liquid
			1 x 1 mL DDimer Calibrator 2 x 7 mL DDimer Diluent	High DDimer calibrator + DDimer diluent

CALIBRATORS AND CONTROLS				
Cat No	Product / Analyte	Package name	Package size	Method / Comment
EHL00012	Calibration Plasma	Erba Standard Plasma	5 x 1 ml	Universal normal human plasma
EHL00013	PT% / INR Calibrators	Erba-PT - INR MultiCal	4 x 1 ml	4 levels of human plasma
EHL00014	Normal Routine QC	Erba Control N	10 x 1 ml	Normal human plasma, for routine assays
EHL00015	Abnormal Routine QC	Erba Control P	10 x 1 ml	Abnormal human plasma, for routine assays
EHL00019	DDimer Controls	Erba DDimer Control N + P	5 x 1 ml D-Dimer Control N 5 x 1 ml D-Dimer Control P	DDimer controls, Low & High levels
Additional consumables				
EHL00021	OVB	Erba Owrens Veronal Buffer	6 x 25 ml	
EHL00042	Clean	Erba Clean I	6 x 50 ml	
EHL00020	CaCl2	Erba Calcium Chloride	10 x 10 ml	Calcium Chloride Solution 0,025M
10020399	Cuvettes	ECL cuvettes	2 x 500 pcs	
10020478	Cuvettes	ECL 760 cuvettes	6 x 500 pcs	



We are an emerging player in in-vitro diagnostics, with a global footprint. Our mission is to make automation affordable for labs everywhere.

Providing hospitals and labs with a full range of diagnostic instruments, reagents and support services in more than 100 countries, our focus is on improving health outcomes in developing nations.

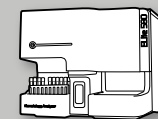
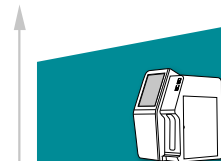
We believe every lab should benefit from automation, no matter how big or small. And we know that different labs have different needs, so we offer three distinct ranges of products, helping you to find the ideal solution.

Nexus Total Lab Automation Made Accessible

Vertex Powerful Automation for Mid-Sized Labs

Apex Basic Automation for Small Labs

Automation



Workload

APEX

BASIC AUTOMATION
FOR SMALL LABS

VERTEX

POWERFUL AUTOMATION
FOR MID-SIZED LABS

NEXUS

TOTAL LAB AUTOMATION
MADE ACCESSIBLE

Lab size	Small	Mid-size	Large
Throughput	Low	Mid-range	Large
Automation	Semi-automation	Full automation	Full automation
Type	Bench-top	Bench-top or floor standing	Bench-top or floor standing
Footprint	Super compact	Compact	Compact/Medium
Look out for this symbol	AE	VE	NE

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CE 2797

The Devices are in compliance with the IVDR requirements of CE marking
Version No 1.1_ DD.MM.YYYY