Erba Mannheim

TRANSASIA®
No.1 Diagnostic Company in India

ECL 760®

Advanced Fully Automated Random Access Coagulation Analyzer

NEW

Erba Coagulation Line

CE

ECL 760

Advanced Fully Automated Random Access Coagulation Analyzer

72 cuvette holder with an option to start from any position.

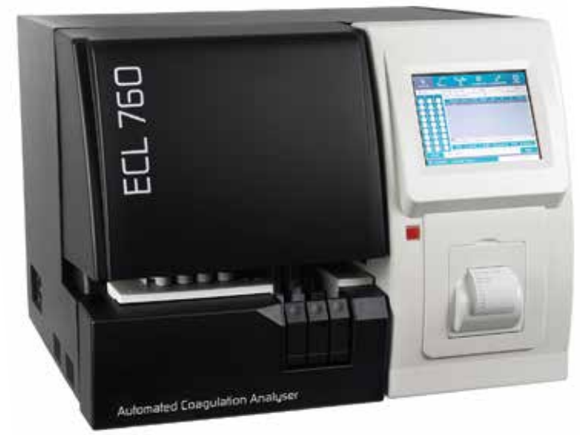
27 sample position rack system, with continuous loading

23 reagent holder with capability of cooling and stirring

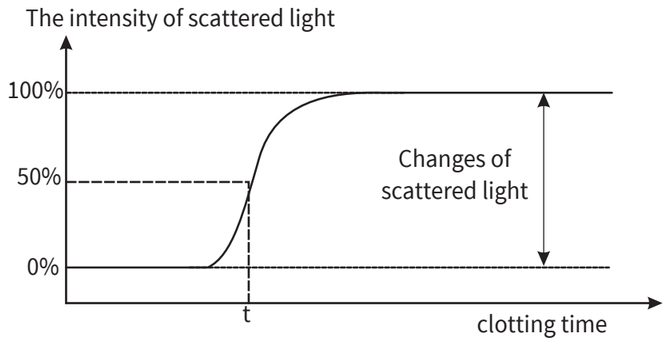
7 Channel LED detection system

Graphical color touch screen

In-built Thermal Printer



Proven Principle Of Clot Detection



ECL 760 uses the proven system of percentage intensity of light scatter at 640 nm LED.

This optical system ensures early light stability, longer duration usage time and greater lamp life. It minimizes the interference of hemolysis, ictericity and lipemia, in samples at each assay, The system monitors the entire clotting process from reagent addition to complete clot formation with the generation of Clot curve.

All clotting tests, such as Prothrombin Time, Activated Partial Thromboplastin Time, Fibrinogen, Thrombin time, Factors (II/V/VII/X/VIII/IX/XI/XII), Lupus and Protein S are performed.

Chromogenic Tests

Chromogenic tests use the colorimetric principle of measuring absorbance of light (405nm LED) by the test in a cuvette. Protein C and Antithrombin III are some of the tests done by this method.

Immunological Assay

The change in light intensity caused by the antigen antibody reaction is detected at 575 nm LED, as the change in transmitted light.

D Dimer is the most common test performed in this category.

Advanced Sample Management

ECL 760 has an advanced sample management system.

It can classify samples as patient, STAT and quality control. It has facility for positive sample identification, traceable to the rack and position. It informs the status of the sample in the work list. The software allows continuous loading.

Comprehensive Reagent Management

The system can accept 23 reagents, with reagent lot, expiry and reagent position details.

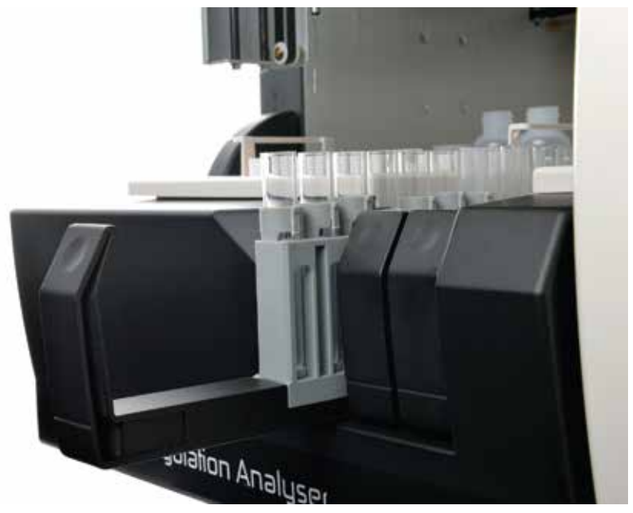
Around 20 reagents have onboard cooling and stirring function. The system can perform 10 tests per group selected. Reagent level sensing, vertical obstruction detection, sensors for Waste and Clean solutions are available on the system.

Easy-to-Use Quality Control Management

On ECL 760, at the work list, the QC material can be defined.

The laboratory can fix the QC execution frequency as per their standard protocol.

The reports are available as L-J and West guard multi- rules.



ECL 760

Advanced Fully Automated Random Access Coagulation Analyzer

Technical Specifications

Analyzer	Fully Automated Random Access Coagulation Analyzer	
Throughput*	PT	: 96 Tests/Hour
	APTT	: 64 Tests/Hour
	PT, APTT	: 75 Tests/Hour
Principle of Detection	Clotting	: Scattered Light Detection Method
	Chromogenic	: Colorimetric Method
	Immunoturbidimetry	: Latex Enhanced Turbidimetric Method
Detection Channels	Seven numbers	
Detection optics	LED Based with 640 nm, 405 nm, and 575 nm	
Incubation Channels	Eight numbers	
Clot detection	Clot detection Curve monitoring	
Sample ID	20 Characters custom, automatic generation possible	
Units of measurement	seconds, dOD, % Ratio, INR, Dfbg	
Sample Types	STAT, patient sample, control	
Minimal Sample volumes	PT, APTT, TT: 50 µl; Fbg, ATIII: 10 µl; Factor Assays: 5 µl, Erba D-Dimer R : 15 µl	
No. Of Sample Racks	Three	
Total Number of Samples	27 numbers, continuous loading	
Sample Bar code Reader	Yes	
Tests per group	Ten tests	
Reagents on-board	20 reagents cooled at 13-15°C. 3 reagent locations for Clean, Diluent and Buffer	
Dispensing	Pre-heating probe, with level sensing and vertical obstruction detection	
Calibration Mode	Manual and Automatic	
Calibration	6 Calibration points	
Reagent Management	Lot Number, Expiry, Reagent Name and Type, Volume monitoring	
Analysis modes	Re-dilution, Re-testing, Repeat analysis	
Incubation	Detector	: 37°C + 1°C
	Sample Incubator Section	: 37°C + 1°C
	Reagent Pipette	: 37°C + 1°C
Quality Control algorithm	L-J and Multirules, 12 levels	
Display	8" LCD Graphical touch screen display	
Printer	Built-in printer	
Operating System	Windows XP	
Database	100,000 test results, 10,000 clot curves	
Interface	No Interference for Haemolysed, Icteric, Lipemic (HIL) samples	
Factor Assay	Generation of Standard curve	
Mains input	AC 100V/220V, 50Hz or 60Hz	
Input power	400VA	
Operational environment	10°C ~ 30°C, relative humidity ≤ 70%	
Storage environment	-20°C ~ 55°C, relative humidity ≤ 85%	
Dimension L x W x H	660 x 580 x 510	
Weight	53 kg	

* For normal sample

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ERBA Diagnostics Mannheim GmbH
Mallaustrasse 69-73 68219 Mannheim, Germany
Telephone : (+49) 621 8799770 Fax : (+49) 621 8799688
Email : sales@erbamannheim.com

Whatsapp No.
73044 48818
W: www.erbamannheim.com
Stay connected:

TRANSASIA BIO-MEDICALS LTD.
Transasia House, 8 Chandivali Studio Road,
Andheri (E), Mumbai - 400 072. T: (022) 4030 9000,
F: (022) 2857 3030 E: responses@transasia.co.in