





“Opto-pulse AI Technology”



30
 Tests/Hr

Measures ESR Directly from EDTA Tubes
 in 20 minutes.


COST EFFICIENCY

-  Consumables-free
-  No biohazard waste

USABILITY

-  Results in 20 minutes
-  Large 7” Capacitive Display

PERFORMANCE

-  95 % agreement with Modified Westergren method

Sample	Direct measurement from primary blood collection EDTA tube Primary EDTA tube: (K2/K3 EDTA , 13 X 75 mm)
Sample Loading	Random/Batch/Continuous access
Sample Volume	Minimum 1.0 mL and maximum 3.5 mL
Throughput	10 positions, 30 tests/hr
Measuring Method	Infrared light beam/detector
Measuring Time	20 minutes
Results Resolution	+/- 1 mm/hr
Measurement Range	1- 140 mm/hr
Results Accuracy	~95% agreement with modified Westergren method
Internal QC	A QC stick with pre-determined height (mm) is provided
External QC	Two level liquid-sedimentation control with LJ plot having integrated Westgard rules
Display	7-inch capacitive touch display
Thermal Printer	RS-232 port for thermal printer (58 mm) connectivity
Smart Card	Smart card-enabled test count (300, 600 and 1200 Tests cards)
Temperature	18 OC - 40 OC (Operational) and 5 OC - 45 OC (Storage)
Relative Humidity	20% - 85% without condensation
Temperature correction	18 OC-corrected ESR as per Manley table
Patient ID	Supports 16 digits alphanumeric patient ID input including age, sex and name Hospital/Lab name integration
Customizable Print	Results and QC data can be transferred through External USB
Data Transfer	5000 sample results
Memory	100-240 VAC, 50/60Hz 12V DC 5 A (External adapter)
Power Supply	H 260 mm x W 230 mm x D 215 mm
Dimension	5.0 Kg
Weight	

ORDER INFORMATION

Order Code:	ELBM-ESR-01
Description:	SG Direct ESR Analyzer
Order Code:	ELBM-ESR-01-Plus
Description:	SG Direct Plus ESR Analyzer



SG5000DT : 5000 Test Card



Thermal printer (Optional)
ELBM-TP10



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