

ESR VACATIONER

ESR-3200



Easy
&
conomical
Plug in & start testing



Smart
&
afe
Load specimen tube



Rapid
&
eliable
Results in 30 minutes



EPC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

Analytical Technologies Limited

An ISO 9001 Certified Company

www.analyticalgroup.net

►► Feature Benefit :

Smart Technology

Modern IR microtechnology

- Robust performance & greater efficiency Real time detection of specimens Real time measurement and reporting of results

Temperature compensation

- Automatic compensation referred to 18 CC (Manley) Result: in Westergren mm/hr (by interpolation)

Ease of Use

Easy Start up

- Simply plug into an on-line UPS and start testing No training required:No special expertise required

Fully automated

- Auto start of measurement Quick Turn-around time:Easy set up of tests -1. Add specimen to tube -2. Place tube in analyzer -3. Results within 30 minutes

Complete flexibility

Random access

- Use any open chamber to automatically measure, time and report result
- Provides convenience and flexibility to run tests at anytime and in any order
- No batching of samples Each reading chamber individually timed for results

Quality and Reliability of Results

Reliability of Results

- Good correlation to 1 hour Westergren method Excellent reproducibility (CV of 5%) Accuracy & Consistency of Results

Productivity Advantage

Measuring time:30minutes

20 tests per hour

Optimization of Lab Workflow Network capability

Printer* helps automatically prints patient results

eliminating transcription errors Data Management

Software (DMS**) for easy management

Compact size Desktop analyzer thus minimal space required

Advanced Features

Graphical printout of results, if it is connected to a Printer* (which is optional)

Safety of Handling

Reduced contact with potentially infectious and hazardous blood specimen

Completely "Closed Analysis System" (while using Vacuum ESR tube for testing) prevents the user from potentially hazardous blood specimen

► Technical Specifications :

Application	Blood Sedimentation Rate Analysis
Loading Capacity	Maximum 10 samples
Loading Pattern	Random Access
Reading chambers	10 (ten)
Analytical capacity	Maximum 20 tests/hour
Loading capacity	Maximum 10 samples at a time
Analysis time	30 minutes
Throughput	20 specimens per hour
Results	In Westergren mm/hour (by interpolation)
Test Tube	1.1 ml -1.28 ml blood
Temperature correction	Results autocorrected to 18°C (Manley method)
Measurement principle	Infrared (IR) detection
Reading resolution	+/- 0.2 mm (Mechanical/ Optical precision - detection by software controlled by encoder resolution)
Result resolution	+/- 1 mm
Blood draw level	+4 mm / -10 mm from acceptable range
Measurement range	1-140 mm/hr
Reproducibility	CV < 5% (sample dependent)
Display	LCD 40 x 2 with back-light
Interface	LPT for printer# & RS 232 for Computer
Dimensions (w x h x d)	22 cm x 21.6 cm x 17.5 cm
Operating conditions	Temperature 15°C-31°C Humidity 45%~ 85%
Weight	~2.5 kg
Power Adaptor	Input 110-220V AC 50/60 Hz Output 5V 3A
Power for Analyzer	Input 5V 3A
Software	Integrated according to software version
ESR tubes	8/120mm, 1.6mlVacu u m/Non-vacuum ESR
Conformity	ISO 13485 & CE

▶▶ Regulatory compliances



▶▶ Corporate Social Responsibility

Analytical Foundation is a Nonprofit Organization (NGO) found for the purpose of:



Analytical Foundation

1. Research & Innovation Scientist's awards / QC Professional Award : Quality life is possible by innovation only and the innovation is possible by research only, hence ANALYTICAL FOUNDATION is committed to identify such personalities for their contributions across various field of Science and Technology and awarding them yearly. To participate for award, send us your details of research / testing / publication at info@analyticalfoundation.org

2. Improving quality of life by offering YOGA Training courses, Work shops / Seminars etc.

3. ANALYTICAL FOUNDATION aims to DETOXYFY human minds, souls and body by means of Yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.

▶▶ Reach us @



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