



Easy
&
Economical
Plug in & start testing



Smart
&
Safe
Load specimen tube



Rapid
&
Reliable
Results in 30 minutes

FEATURES & BENEFITS

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 °C (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 using Version 4.0 analyzer and 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

No Service Maintenance

*Stylus Printer is an Optional Accessory

** DMS is only available to registered users of the ESR Analyzer and can be downloaded from www.lab1inc.com

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 : 1.1ml -1.28 ml blood
- Temperature correction : Results autocorrected to 18 °C (Manley temperature)
- Measurement principle : Infrared (IR) detection, transmission reading at start and during 30 minutes of sedimentation
- 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 : C.V < 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 2.8A
- Power for Analyzer : Input 5V 2.8A
- Software : Integrated according to software version
- ESR tubes : 8/120mm, 1.6ml Vacuum/Non-vacuum ESR
- Conformity : ISO 13485 & CE

*Technical Specifications, Colour are subject to change without prior notice.



(Printout of ESR result when using the optional Stylus Printer)



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