

# microSED-10

Automated Erythrocyte Sedimentation Rate Analyzer



**E**asy  
&  
Conomical  
Plug in & start testing



**S**mart  
&  
afe  
Load specimen tube



**R**apid  
&  
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: 30 minutes
- 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

### No Service Maintenance

\*Stylus Printer is an Optional Accessory

\*\*DMS is only available to registered users of the ESR analyzer

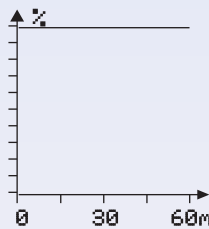
We strongly recommend use of 8 x 120mm, 1.6ml Vacuum ESR tube for testing

## 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 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 : 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 3A
- Power for Analyzer : Input 5V 3A
- 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.

```
Chmbr.No.:5
Patient ID:
Name:
Sex:M/F
Age:
ESR Value:
1 mm/h
Results at 18°C
```



(Printout of ESR result when using the optional Stylus Printer - only for reference)



Exclusively Marketed by:

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