• ESR Fast Detector

Intended Use

- ESR Fast Detector is designed to match **IMPROVACUTER®** ESR tubes(specification: 1.6ml/ 9x120mm) for testing the Erythrocyte Sedimentation Rate (ESR), which is a non-specific assay item.
- It is safe, reliable and easy to read with clear scales.
- It is with higher related coefficient comparing with the Westergren method.

• ESR Fast Detector

Installation

- ESR Fast Detector should be placed stably without wobble and draught.
- It should be kept erect with a slope angle less than 2° .

Specimen Collection and Processing

1. Make use of ESR tube and needles to obtain the blood specimen by venipuncture.
2. Gently invert ESR tube at least 8-10 times. Avoid of fierce shake to destroy the Erythrocytes.
3. Repeat before inserting Tube into Stand.
4. Insert ESR tube into Stand.
5. Align zero level of scale to bottom of meniscus.
6. Set timer and read erythrocyte level after 30 min.
7. Discard ESR tubes without opening.

CLOSED ESR SYSTEM

IMPROVE®

Safe • Fast • Convenient

VOL2.2013

• Auto ESR Analyzer

ESR-30

Features

- Random access
- Up to 30 samples can be scanned simultaneously
- Throughput: up to 60 samples /hour
- Temperature compensation refer to 18 ˚C according to Westergren method
- ESR curve display and print-out
- Touch screen , large LCD display
- Built-in Internal thermal recorder
- 4 languages selectable
- LIS/HIS access
- Barcode capability

• Auto ESR Analyzer

Specifications

Area of Application	Erythrocyte sedimentation rate analysis
Measuring Principle	Infrared sensor
Reading Channels	30 available channels
Loading Capability	Up to 30 samples at a time
Tube Specification	1.28ml/8x120mm
Loading Pattern	Random
Measuring Time	30 minutes or 60 minutes selectable
Throughput	Up to 60 samples per hour
Analysis Result	In Westergren ESR value (mm / hr)
Temperature Compensation	Refer to 18℃ automatically (selectable)
Reading Resolution	0.2 mm
Reproducibility	< 0.3% or ±2mm /1h
Resuly Resolution	1mm/1h
Blood Level Range	50mm~64mm
Display	LCD screen with backlight
Input	Touch screen
Interface	RS-232 serial port
Print	Internal thermal recorder
Power Supply	AC 220V/110V ±10%, 50/60 Hz, 50W
Operation Conditions	Temperature 15℃～32℃ Humidity≤85%
Dimension	400mmx300mmx200mm(LxWxH)
Net Weight	11.5kg

HUMAN HEALTH
WE CARE

Specialize in Specimen Processing Specialize in Clinical Laboratory Specialize in Clinical Nursing

IMPROVE®

IMPROVE MEDICAL

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