

# VES-MATIC Cube 200

Automated Erythrocyte Sediment Rate (ESR) Analyzer

ESR made simple, from Primary EDTA tubes



<b>Optical Detection Technology</b>	The blood obtained in the Lavender Top (EDTA) test tube, typically used for hematology testing, is accurately mixed by the instrument. The samples then remain at rest for a predetermined amount of time to allow sedimentation to occur.  Through analog sensors, the instrument automatically determines the sedimentation level of erythrocytes. Subsequently, the sed rate is calculated and then automatically printed or shown on the display.
<b>Throughput</b>	- Up to 180 Samples per hour - Turnaround Time (TAT) • 26 minutes to first test result • Subsequent results every 18 seconds
<b>Sampler</b>	- 50 samples on board processing
<b>Sample Volume</b>	- Minimum sample volume: 1.5 mL - Maximum sample volume: 4.0 mL
<b>Communication Support</b>	- Bi-directional LIS support, ASTM, via RS232C or TCP/IP conversion - Tablet PC support, Compact Flash
<b>Data Storage</b>	- 10,000 samples
<b>Printer</b>	- Alpha-numeric with thermal paper (2 ¼") prints 36 characters per line.
<b>Dimensions / Weight w x d x h [inches]</b>	- Main Unit: 25 ½" x 25 ¾" x 26 ¼" / 202 pounds

- *Consistent across all technologists and all shifts*

- *Minimal sample volume (1.5 mL)*
- *Limits the need for second draws*
- *Traceability of all tested samples into dedicated racks*
- *Easy, documented location of tested samples*

### Operational Efficiency

- *Hematology sample racks are placed directly on the system*
- *No technologist set-up time required*
- *Primary EDTA tube testing*
- *No pipetting into ESR tubes*
- *Multi-wave length optical detection*
- *No additional consumables or reagents to purchase*
- *Complete walk-away operation*
- *Eliminates technologist's need to time the test or calculate sediment rate*

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