

ERYTHROCYTE SEDIMENTATION RATE ANALYZERS

Efficient ESR Solutions for Your Laboratory



CHALLENGING TIMES IN THE LABORATORY CALL FOR SIMPLE SOLUTIONS

48 million erythrocyte sedimentation rate (ESR) tests are performed in the US every year¹. Traditional ESR testing requires significant hands-on time, and it is harder than ever to find laboratory personnel. ALCOR[®] Scientific's iSED[®] analyzers are designed to make ESR testing as easy and efficient as possible, providing results within 20 seconds with minimal hands-on time.







Walk-away automation



Highly correlated to the Westergren Method

Sampling from primary EDTA tube 100µL

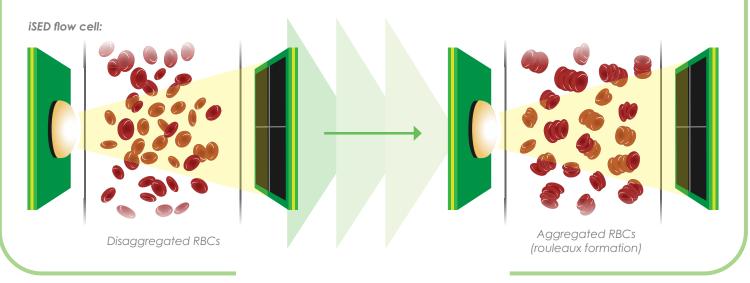
100 µl aspirated volume

ESR RESULTS IN SECONDS

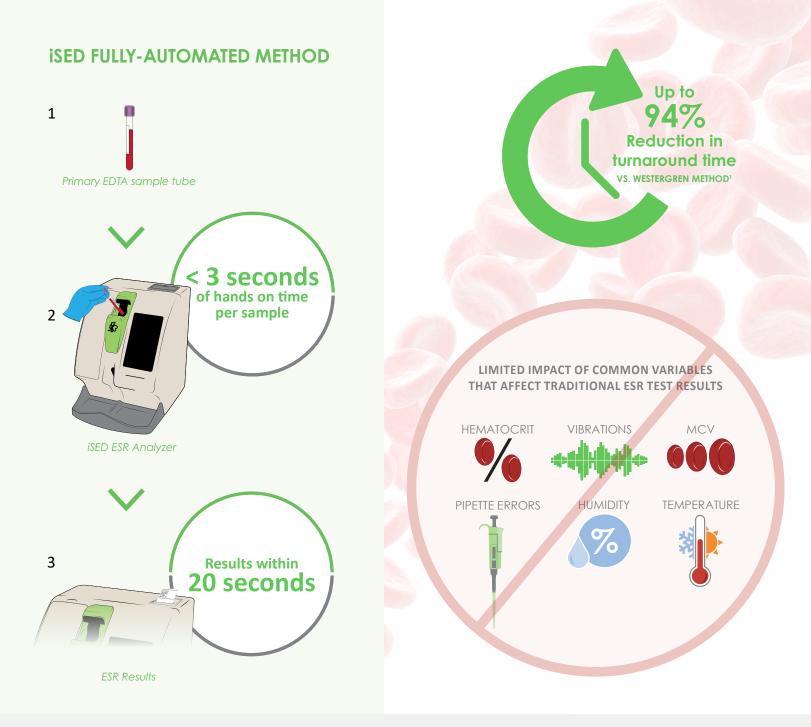
ALCOR Scientific's iSED technology utilizes photometric reading to quantify the rouleaux formation, which is the earliest and most critical phase of red blood cell sedimentation². An EDTA blood sample is injected into the iSED analyzer's flow cell which causes the red blood cells to disaggregate. The flow cell sensors capture the difference in light transmission over time as the injected red blood cells begin to re-aggregate.

The technical innovation of iSED ESR analyzers consists of "directly" measuring the aggregation of the red blood cells, whereas the traditional methods "indirectly" measure the aggregation of the red blood cells by recording the length at which the red blood cells settle in a Westergren tube.

The iSED technology is highly correlated to the Westergren method and provides results in mm/hr. Test results are available in just 15-20 seconds without the drawbacks and inconvenience of traditional ESR testing.

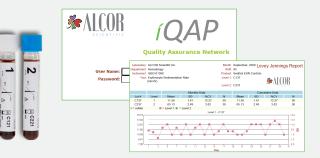






QUALITY CONTROL

Seditrol[®] Quality Controls are bi-level, human-based whole blood controls in ready-to-use, barcoded tubes. All Seditrol customers have access to iQAP, ALCOR Scientific's online peer-to-peer quality assurance program. The iQAP program has a robust network of users and allows laboratories to generate reports on demand.







iSED® ELITE is best for labs that...

- Receive more than one sample at a time
- Require the least amount of hands-on time
- Prefer automated sample mixing

Sample Capacity	20 samples (random access loading)	
Sample Type	Primary EDTA tube; pediatric tube compatible	
Sample Volume	500 μl required (only 100 μl aspirated)	
Test Throughput	Up to 180 results / hour	
Sample Mixing	Automatic onboard	
Test Time	Results within 20 Seconds	
Barcode Reader	Internal	
Dimensions (L x W x H)	36 x 27 x 34 (cm) 14.3 x 10.5 x 13.4 (in)	
Data Storage Capacity	>4 million	
LIS Connectivity	LAN TCP/IP or Serial RS232 DB9 port	
Printer	Internal	

miniiSED[®] is best for labs that...

- Perform ESR testing less frequently
- Run single samples

Sample Capacity	1	
Sample Type	Primary EDTA tube; pediatric tube compatible	
Sample Volume	500 μl required (only 100 μl aspirated)	
Test Throughput	Up to 180 results / hour	
Sample Mixing	External before sample is loaded	
Test Time	Results in 15 seconds	
Barcode Reader	Internal	
Dimensions (L x W x H)	36 x 19 x 24 (cm) 14 x 7.5 x 9.5 (in)	
Data Storage Capacity	>4 million	
LIS Connectivity	LAN TCP/IP	
Printer	Optional external printer	



Product Informati	on	
	Description	Unit
112-00222	iSED ELITE ESR Analyzer	1 each
112-01017	miniiSED ESR Analyzer	1 each
112-00250	Test card; 250 test credits	1 each
112-01000	Test card; 1,000 test credits	1 each
112-02000	Test card; 2,000 test credits	1 each
112-05000	Test card; 5,000 test credits	1 each
DSC06	Conditional Quality: Constant (Louisla 4, 9, 2)	Pack of 6 x 4.0 mL
DSC01	Seditrol Quality Control (Levels 1 & 2)	Pack of 2 x 4.0 mL
112-12-001	iWASH [®] Wash Fluid	Pack of 4
112-12-003	miniiWASH [®] Wash Fluid	Pack of 4
112-12-002	iWASTE [®] Container	Pack of 24
112-12-005	IWASTE Container	Pack of 4
112-12-004	miniiWASTE [®] Container	Pack of 4
DS-05233	ALCOR Thermal Printer Paper	Pack of 5
DS-05240	ALCOR Thermal Printer	1 each

ORDERING

ALCOR sales: 1.800.495.5270 info@alcorscientific.com

SERVICE AND SUPPORT

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