



# ERYTHROCYTE SEDIMENTATION RATE ANALYZERS

*The Most Efficient ESR Solutions for Your Laboratory*

# TRANSFORMING ONE OF THE WORLD'S MOST COMMONLY ORDERED LAB TESTS

Sed rates are one of the most established and common lab tests in the world. Isn't it time they got easier to perform—and more flexible? ALCOR® Scientific's iSED® analyzers deliver ESR results in just 20 seconds with minimal hands-on time. With 7x longer sample stability than traditional methods, you can test with greater confidence and optimize hematology workflows. Better for labs. Better for patients.



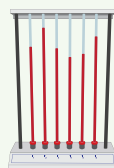
7x longer sample stability



Results within 20 seconds



Walk-away automation



Highly correlated to the Westergren Method



Sampling from capped primary EDTA tube



100 µl aspirated volume

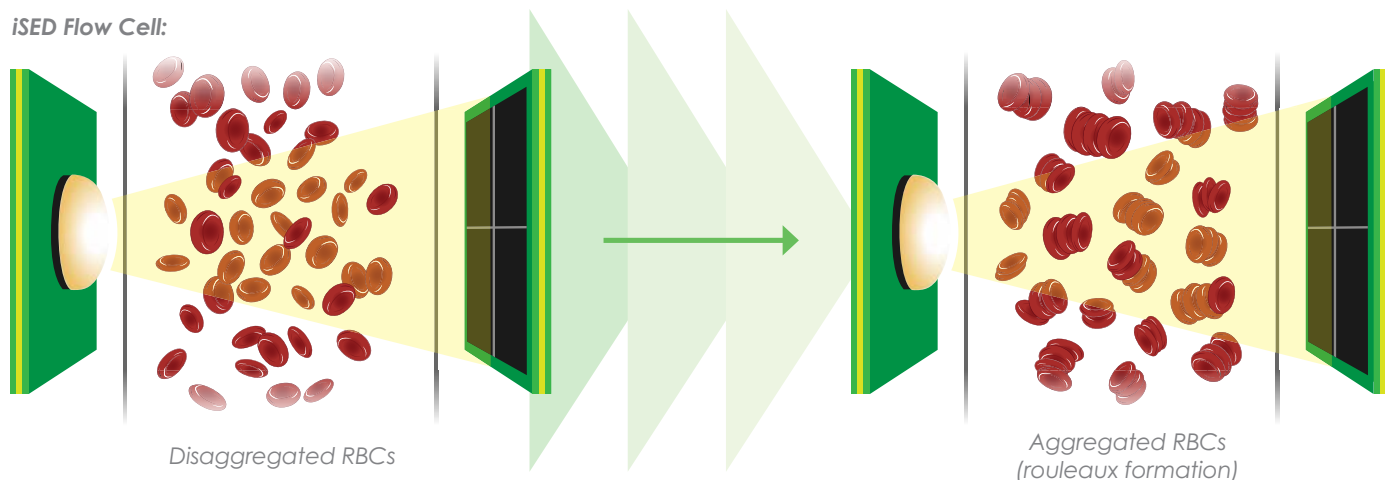
## ESR RESULTS IN SECONDS

ALCOR Scientific's iSED technology utilizes photometric rheology to measure the rouleaux formation, the earliest and most critical phase of red blood cell sedimentation<sup>2</sup>. 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 as the 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.

### iSED Flow Cell:



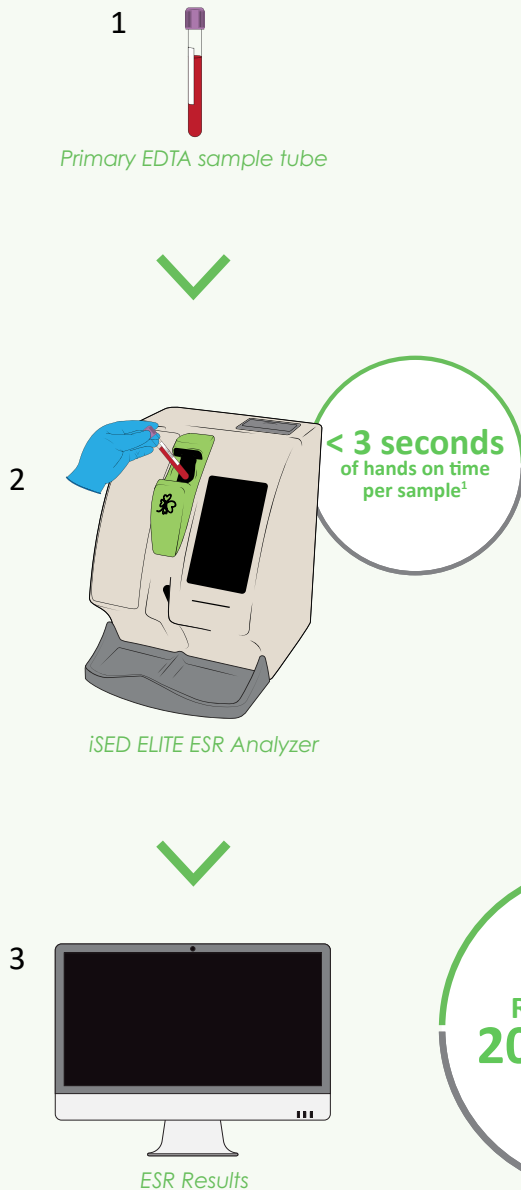
1. ALCOR Scientific internal data.

2. Fabry, T. L. Mechanism of erythrocyte aggregation and sedimentation. *Blood*. 1987;70(5):1572-1576.

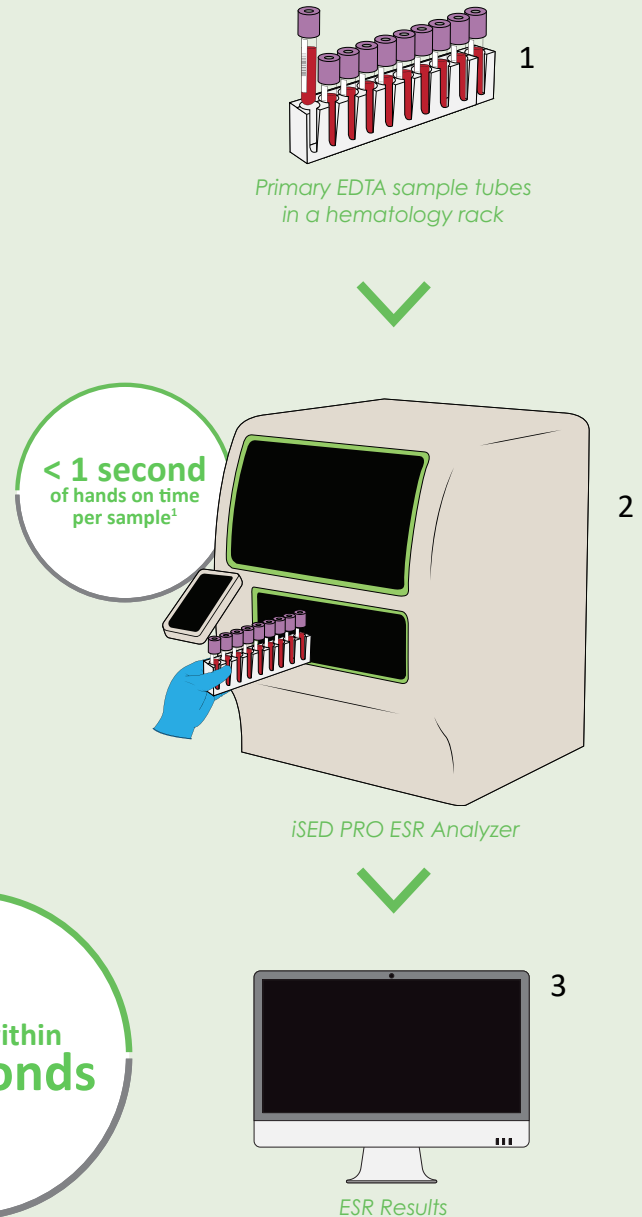


# SCARCE LABORATORY RESOURCES DEMAND THE MOST EFFICIENT ESR WORKFLOW

## SINGLE TUBE WORKFLOW



## SAMPLE RACK WORKFLOW



Results within  
**20 seconds**

## BREAK FREE FROM THE 4-HOUR ESR LIMIT

iSED ESR analyzers allow for up to 28 hours of room temperature or 48 hours refrigerated sample stability, helping you streamline logistics and ensure reliable results.

**7x**  
longer sample  
stability

## QUALITY CONTROL MADE SIMPLE

SEDiTROL® Quality Controls are bi-level, human-based whole blood controls in ready-to-use, barcoded tubes. All SEDIROL customers have access to iQAP, ALCOR Scientific's online peer-to-peer quality assurance program. No special preparation or washing is required to run quality control.



WHICH ANALYZER IS  
RIGHT FOR YOU?



### iSED<sup>®</sup> PRO

Best for higher volume labs that prefer a fully automated, rack-based workflow.



### iSED<sup>®</sup> ELITE

Best for medium-high volume labs that prefer a fully-automated, flexible workflow.



### mini iSED<sup>®</sup>

Best for lower volume labs that prefer a compact analyzer footprint.

<b>Sample Capacity</b>	120 samples (12 hematology racks)	20 samples	1 sample
<b>Test Throughput</b>	191 samples per hour (based on cycle time)	Up to 180 results/hour	Up to 180 results/hour
<b>Sample Volume</b>	500 µl total volume (100 µl aspirated volume)	500 µl total volume (100 µl aspirated volume)	500 µl total volume (100 µl aspirated volume)
<b>Sample Stability</b>	28 hours for samples stored at room temperature and 48 hours refrigerated	28 hours for samples stored at room temperature and 48 hours refrigerated	28 hours for samples stored at room temperature and 48 hours refrigerated
<b>Sample Type</b>	EDTA whole blood in capped 13x75 mm tube, samples must be in hematology racks	EDTA whole blood in capped 13x75 mm tube	EDTA whole blood in capped 13x75 mm tube
<b>Test Time</b>	Results within 20 seconds	Results within 20 seconds	Results in 15 seconds
<b>Quality Control</b>	Onboard storage and automatic scheduling Room temperature storage, 60 day open vial stability	Room temperature storage, 60 day open vial stability	Room temperature storage, 60 day open vial stability
<b>Barcode Reader</b>	Internal	Internal	Internal
<b>LIS Connectivity</b>	LAN TCP/IP or Serial RS232 DB9 port; bi-directional	LAN TCP/IP or Serial RS232 DB9 port; uni-directional	LAN/IP uni-directional
<b>Dimensions (L x W x H)</b>	49.5 x 55.3 x 67 cm 20 x 22 x 27 in	36 x 27 x 35 cm 14.17 x 10.63 x 13.78 in	36 x 19 x 24 cm 14 x 7.5 x 9.5 in
<b>Weight</b>	38 kgs; 84 lbs	13.6 kgs; 30 lbs	4.5 kgs; 10 lbs
<b>Printer</b>	External (Optional)	Internal	External (Optional)



Product Information		
Catalog #	Description	Unit
<b>112-00120-SYS</b>	iSED PRO ESR Analyzer Series S	1 each
<b>112-00222</b>	iSED ELITE ESR Analyzer	1 each
<b>112-01017</b>	miniISED® ESR Analyzer	1 each
<b>112-00250</b>	Test Card; 250 test credits	1 each
<b>112-01000</b>	Test Card; 1,000 test credits	1 each
<b>112-02000</b>	Test Card; 2,000 test credits	1 each
<b>112-05000</b>	Test Card; 5,000 test credits	1 each
<b>120-04000</b>	iSED PRO Test Card; 4,000 test credits	1 each
<b>120-07500</b>	iSED PRO Test Card; 7,500 test credits	1 each
<b>120-12500</b>	iSED PRO Test Card; 12,500 test credits	1 each
<b>120-25000</b>	iSED PRO Test Card; 25,000 test credits	1 each
<b>120-50000</b>	iSED PRO Test Card; 50,000 test credits	1 each
<b>DSC06</b>	SEDiTROL Quality Control (Levels 1 & 2)	Pack of 6 x 4.0 mL
<b>DSC01</b>		Pack of 2 x 4.0 mL
<b>112-12-020</b>	deepCLEAN® Cleaning Solution for miniISED, iSED ELITE, and iSED	3 x 4.0 mL
<b>112-12-022</b>	deepCLEAN PRO Cleaning Solution for iSED PRO	3 x 4.0 mL
<b>112-12-006</b>	iWASH® PRO Wash Fluid	1 x 1.8 L
<b>112-12-001</b>	iWASH Wash Fluid	Pack of 4
<b>112-12-003</b>	miniWASH® Wash Fluid	Pack of 4
<b>112-12-009</b>	iWASTE® PRO Container	1 x 1.8 L
<b>112-12-002</b>	iWASTE Container	Pack of 24
<b>112-12-005</b>		Pack of 4
<b>112-12-004</b>	miniWASTE® Container	Pack of 4
<b>DS-05233</b>	ALCOR Thermal Printer Paper	Pack of 5
<b>DS-05240</b>	ALCOR Thermal Printer	1 each



miniISED®

iSED® ELITE

A versatile  
range of solutions  
setting the new  
standard in ESR testing

iSED® PRO

## SALES

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## SERVICE AND SUPPORT

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