



# ERYTHROCYTE SEDIMENTATION RATE ANALYZERS

*The Most Efficient ESR Solutions for Your Laboratory*



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

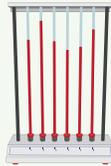
Sed rates are one of the oldest and most common tests in the world. Isn't it time they got easier to perform? ALCOR® Scientific's iSED® analyzers are designed to make ESR testing as easy and efficient as possible, providing results within 20 seconds with the least amount of hands-on time.



Results within 20 seconds



Walk-away automation



Highly correlated to the Westergren Method



Sampling from capped primary EDTA tube



100 µl aspirated volume

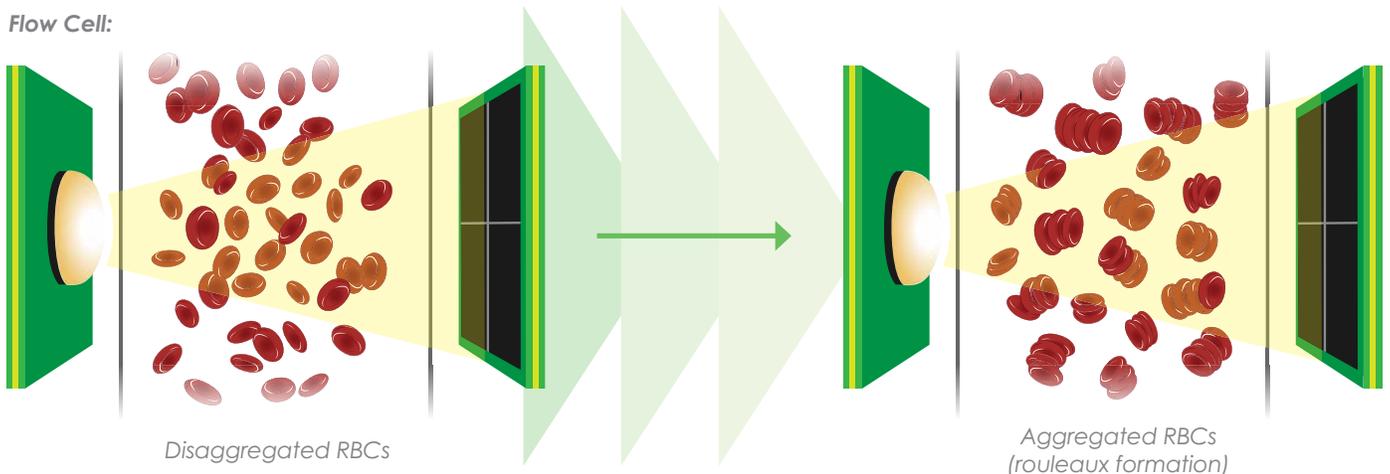
## ESR RESULTS IN SECONDS

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.

Flow Cell:



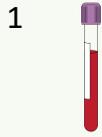
1. ALCOR Scientific internal data.

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

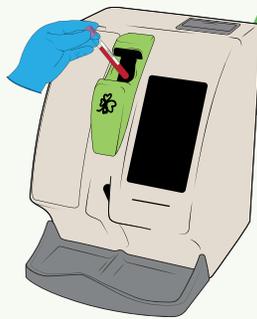
## SINGLE TUBE WORKFLOW



Primary EDTA sample tube



2



iSED ESR Analyzer

< 3 seconds  
of hands on time  
per sample<sup>1</sup>

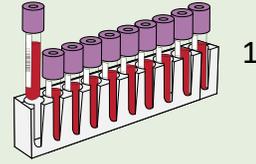


3



ESR Results

## SAMPLE RACK WORKFLOW

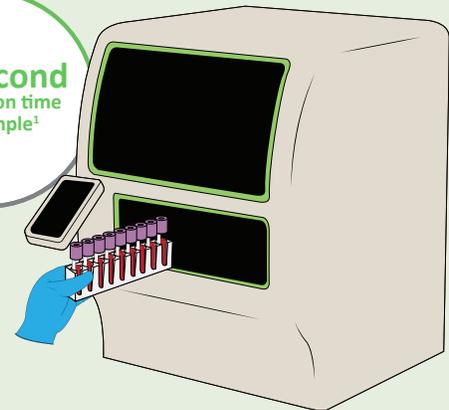


Primary EDTA sample tubes  
in a hematology rack



< 1 second  
of hands on time  
per sample<sup>1</sup>

2



iSED PRO ESR Analyzer



3



ESR Results

Results within  
**20 seconds**

## 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>**

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



**miniSED<sup>®</sup>**

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

<b>Sample Capacity</b>	120 samples (12 Sysmex Hematology Racks)	20 samples	1 sample
<b>Test Throughput</b>	Up to 180 results/hour (Rack based)	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 Type</b>	Primary EDTA tube; pediatric tube compatible, samples must be in Sysmex hematology racks	Primary EDTA tube; pediatric tube compatible	Primary EDTA tube; pediatric tube compatible
<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	User initiated control runs Room temperature storage, 60 day open vial stability	User initiated control runs Room temperature storage, 60 day open vial stability
<b>Barcode Reader</b>	Internal	Internal	Internal
<b>LIS Connectivity</b>	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>112-00101</b>	iSED 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>120-07500</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 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>	miniIWASH® 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>	miniIWASTE® Container	Pack of 4
<b>DS-05233</b>	ALCOR Thermal Printer Paper	Pack of 5
<b>DS-05240</b>	ALCOR Thermal Printer	1 each

Availability of iSED PRO products may vary by region.

miniISED®

iSED®

The most  
versatile family  
of ESR solutions!

iSED® PRO

**una**  
health

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 **ALCOR**  
SCIENTIFIC

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