

ALI
FAX

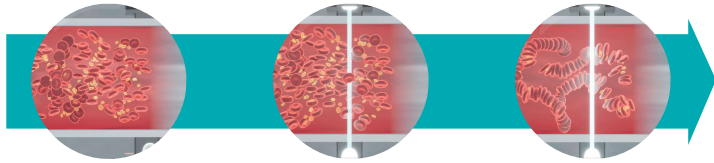
ESR

FULLY AUTOMATED ANALYZERS
FOR THE DETERMINATION
OF THE ERYTHROCYTE
SEDIMENTATION RATE

ESR IN 20 SECONDS



ESR IN 20 SECONDS BY RED CELL AGGREGATION



EACH SAMPLE is read 1000 times in 20 seconds

20
sec

1h

CAPILLARY PHOTOMETRY

- Temperature control 37°C
- Independent from Hematocrit value
- No dilution, use of EDTA tube
- Use of the same capillary for all samples
- No influence of vibration or other external factors
- Automated mixing step
- Latex Controls and Calibrators available
- High reproducibility

SEDIMENTATION ESR

- Temperature variability
- Hematocrit influence
- Dilution problems using Sodium Citrate
- Inadequate materials and pipettes variability
- Vibrations and pipette verticality influence
- No standardized sample mixing
- Controls and Calibrators lack
- Poor reproducibility

TEST1 CAPILLARY PHOTOMETRY TECHNOLOGY OVERCOMES THE MAJORITY OF THE VARIABLES AND LIMITATIONS OF THE SEDIMENTATION METHOD (ICSH RECOMMENDATIONS, 2017).

Alifax technology is classified by CLSI guidelines as an alternative method for ESR (H02-A5 Vol. 31, N.11)

"ESR measurements by TEST1 reflect inflammation better than do those by the Westergren method in patients with malignancy, autoimmune disease, or infection"

Clin Chem Lab Med 2010;48(7):1043-1048

YOUNG JOO CHA
MD, Department of Laboratory Medicine, Chung-Ang University Hospital, Seoul, Korea



TEST1

Direct loading from original cell blood counter rack



TEST1 THL
SI 195.210/THL

- NEW AUTOMATIC WASHING SYSTEM
- 175 µl EDTA blood sample per test
- Only 800 µl sample requested in the tube
- Capacity up to 60 samples
- Direct loading of CBC racks
- Throughput up to 150 samples/hour
- Internal bar code reader
- Bidirectional connection to LIS



TEST1 BCL
SI 195.220/BCL

Up to 60 samples per session with **ALIFAX green plastic racks.**

Up to 48 samples per session with Beckman Coulter Series LH 700 CBC racks

TEST1 SDL
SI 195.230/SDL

Up to 40 samples per session with **ALIFAX yellow plastic racks.**

Sysmex series SF/SE/XE/XT/XS/XN, cell counter rack Mindray and Horiba Yumizen

TEST1 YDL
SI 195.240/YDL

Up to 40 samples per session with **ALIFAX blue plastic racks.**

Up to 40 samples per session with Siemens Series ADVIA 120 CBC racks

TEST1 MDL
SI 195.250/MDL

Up to 40 samples per session with **Beckman Coulter**

Series LH 500 CBC racks

TEST1 XDL
SI 195.260/XDL

Up to 40 samples per session with **Beckman Coulter**

Series DxH 800 CBC racks



ROLLER

Manual tube loading also
for uncapped and low volume samples

ROLLER 20-PN SI R20-PN

Double circuit for automatic and manual sampling

- Internal rotor with 20 positions
- 175 µl EDTA blood sample automated withdrawal per test
- 100 µl sample requested in the tube for manual withdrawal
- LCD touch screen
- User-friendly software
- Automatic washing system
- External barcode reader



ROLLER 20-MC SI R20-MC

Manual sampling

- Only 30 µl EDTA blood sample
- LCD touch screen
- User-friendly software
- External barcode reader



ROLLER 20-LC SI R20-LC

Automatic sampling

- 175 µl EDTA blood sample per test
- 800 µl sample requested in the tube
- 18 samples
- Simplified needle replacement
- Automated washing

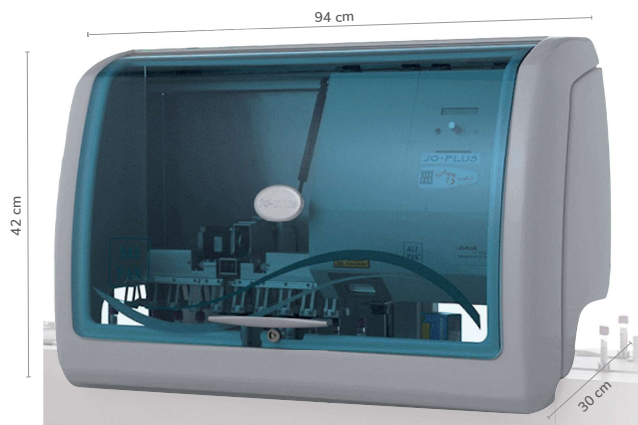


JO-PLUS

On line ESR SYSTEM
for total laboratory automation

JO-PLUS is conceived for mega laboratories with high routine volumes equipped with Laboratory Automation System (LAS).

JO-PLUS is based on the same TEST1 family technology.



JO-PLUS SI 804.100

- 120 samples processed in about 1 hour
- 175 µl EDTA blood sample per test
- Results available in 30 seconds

Power supply: 115-230 VAC (SMPS), 50/60 Hz
Power consumption: 66W
Size: 94 x 30 x 42 cm (W,D,H)
Weight: 16 Kg

LATEX CONTROLS

Three levels to guarantee:
precision, accuracy, repeatability

6 TESTS



SI 305.100-A (Greiner tubes)
SI 305.102-A (Sarstedt tubes)

30 TESTS



SI 305.300-A (Greiner tubes)
SI 305.302-A (Sarstedt tubes)

SHELF LIFE: From production: 6 months. From the 1st piercing: 6 weeks
STORAGE CONDITIONS: From production: +4-25°C. From the 1st piercing: +4-8°C

EQE KIT

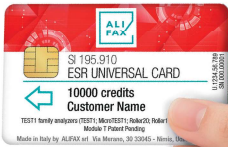
External Quality Evaluation
kit specific for all Alifax ESR
analyzers



Third parties international programs
available:
• CAP
• LABQUALITY
• NEQAS
• ONEWORLD ACCURACY
• API

SMART CARD

Environmentally friendly
cards save storage and
transport costs.
Only pay for a test
when needed.



1.000
tests

4.000
tests

10.000
tests

20.000
tests

TEST1 ROLLER	code SI 195.901	code SI 195.904	code SI 195.910	code SI 195.920
JO-PLUS	-	-	code SI 804.910	code SI 804.920

COMPARATIVE CHART



	TEST1	ROLLER 20 PN	ROLLER 20 LC	ROLLER 20 MC
Positions	Up to 60	Up to 20	Up to 18	•
Sampling	Automatic direct loading of 4 CBC racks	Automatic and Manual	Automatic	Manual
Time To Result	20"	30"	20"	18"
Min Volume	800 µl	800 µl (auto) 100 µl (manual)	800 µl	100 µl
Testing volume	175 µl	175 µl (auto) 100 µl (manual)	175 µl	30 µl
Internal mixing	✓	✓	✓	✗
Thermostatisation 37°C	✓	✓	✓	✓
Internal washing	✓	✓	✓	✗
Barcode reader	✓	(ext. optional)	(ext. optional)	(ext optional)
Printer	✓	✓	✓	✓
LIS bidirectional connection	✓	✓	✓	✓
Dimensions (cm) W,D,H	49 x 54 x 60	24 x 39 x 46	32 x 56 x 58	24 x 39 x 46
Weight (Kg)	47	16	23,2	11
Daily maintenance	5'	5'	5'	5'
Maintenance	1 year or 30.000 tests	1 year or 30.000 tests	1 year or 30.000 tests	1 year or 30.000 tests
Operator time	1'	< 2'	< 2'	30' / sample

Class I - FDA registered - Device listing number D116930
FOR PROFESSIONAL USE ONLY
next introduction graphic layout





INSIDE INNOVATION

NEW ESR SYSTEM GENERATION

ERYTHROCYTE SEDIMENTATION RATE

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