

SFRI

Medical Diagnostics



HEMIX 5-60

5-Part Differential Blood Cell Counter
The Big LITTLE Analyzer

All-in-one Upgradable Instrument



SFRI OFFERS SMALL AND MEDIUM SIZE LABS ACCESS TO THE SAME QUALITY AS BIG LABS AT 5 TIMES LESS THE COST!

1

For Cost-sensitive Labs

- 3 Reagents only
- Easy maintenance - 1 min/day and 10 mins/month
- High specificity & sensitivity insuring less control slides
- Minimum operational downtime

2

For the Most Demanding Labs

- Patient results as good as expensive analyzers
- Touch screen interface for unparralled ease of use
- Powerful software including: LIS bi-directional (HL7), full traceability of operations and operators, comprehensive and exhaustive QC menu

3

For Guaranteed Peace of Mind

- Closed reagent system to guarantee results
- Greater MTBF
- Proven components in a robust instrument
- SFRI expert technical support

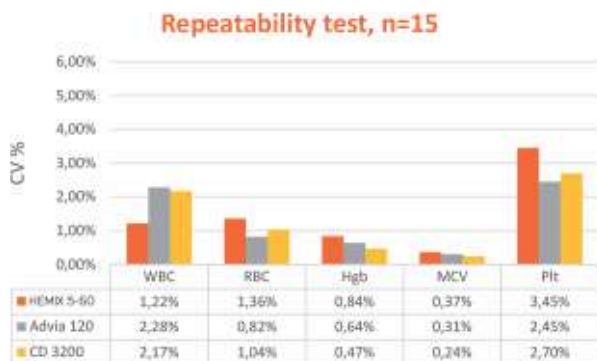
4

For Guaranteed User Satisfaction

- Upgradable 4-in-1 analyser
- Intuitive multilingual Windows® interface
- Minimal bench space
- Only 3 reagents to manage
- Modern design
- Less control slides

Even **SMALL** labs get to have **HIGH QUALITY** results

Excellent Accuracy



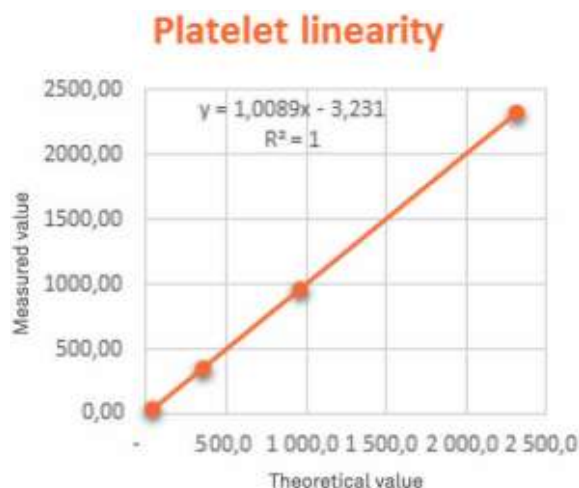
Market reference blood cell counters are widely known on the market for the quality of their results but are very expensive, and are only used by big laboratories with high throughputs and budget.

Conclusion:

The lower the CV the more reliable the results. The test shows that the HEMIX 5-60 results are just as good as the results obtained on the reference analyzers. The HEMIX 5-60 even obtains the best CV on WBC.

The HEMIX 5-60 results compete with big expensive analyzers from international market leaders!

Excellent Linearity and wide Measuring Range



LINEARITY RANGE			
WBC	0.2 - 100.0 10 ³ /μl	HGB	1.1 - 22.2 g/dl
RBC	0.36 - 7.19 10 ⁶ /μl	PLT	0.2 - 2000 10 ³ /μl

→ **Higher linearity equals less dilution for high concentrated samples**

→ **Excellent accuracy ensures reproducible results**

You can put your Trust in our Results

	SFRI HEMIX 5-60	Backman Coulter LH780*
SPECIFICITY	76.5%	67.1%**
SENSITIVITY	75.8%	76.5%**
POSITIVE PREDICTION VALUE (PPV)	25.5%	20.3%**
NEGATIVE PREDICTIVE VALUE (NPV)	96.7%	96.3%**

→ **Advanced flagging system for leukocyte immature populations**

→ **Very high specificity: Better prediction for both negative and positive samples**

* Lab reference analyser

**Correlation test conducted at the Bordeaux University Hospital on 344 samples on the labs reference analyzer and the SFRI HEMIX 5-60 with comparison to the manual slide reading method

**LESS
SLIDES
FOR YOUR
LAB!**

HEMIX 5-60

TECHNICAL SPECIFICATIONS

HEMIX 5-60: REFERENCE A0210

HEMIX 5-60 AUTOLOADER: REFERENCE A0211

MEASURING PRINCIPLES

Laser light scatter technology for 5-part WBC differential
Impedance method for CBC: WBC (80 µm), RBC
and PLT (70 µm)

Light absorbance for HGB measurement: cyanide-free
method

MEASURING PARAMETERS

CBC+5 DIFF mode

26 parameters:

WBC, LYM #&%, MON #&%, NEU #&%, EOS #&%,
BAS #&%, RBC, HGB, HCT, MCV, RDW (sd/cv), MCH,
MCHC, PLT, PCT, MPV, PDW (sd/cv), P-LCR, P-LCC;
2 histograms: RBC, PLT; 2 scattergrams: 4 diff, BASO

REAGENTS AND SAMPLING SYSTEM

Samples:

Sample volume - 100 µl of whole blood

Closed and open tube sampling, with optional autosampler
Stat mode, specific control materials and calibration

Reagents:

3 cyanide-free reagents - 1xDiluent, 1xLyse, 1xQuench

QUALITY CONTROL

Separate QC database, unlimited number of QC files
Levey-Jennings graphs

THROUGHPUT

60 tests per hour

OPTIONAL AUTOSAMPLER

Sample capacity -100 tubes: 10 racks with 10 sample tubes
Acceptable primary tubes - Monovette, Vacutainer, Vacuette
Built-in barcode reader

Built-in sample mixer

Cap recognition (only capped tubes are mixed and
processed)

Dimensions - 300 (W) x 300 (D) x 180 (H) mm

Weight - 10kg

DISPLAY

User interface - 600 x 800 color graphics LCD,
touch screen (10.4)

PRINTOUT

External, Microsoft Windows® compatible printers

MEMORY STORAGE

100 000 records

INPUT/OUTPUT

External keyboard - PS/2 or USB

RS232, USB, Ethernet

INTERFACE

Windows® embedded

Multilingual software

Multiuser mode - Multilevel user modes with individual
identification (username, password)

Software upgrade - via USB port (USB memory stick)

OPERATING ENVIRONMENT

Temperature 15°C 35°C

Relative humidity max 80% (non-condensing)

POWER REQUIREMENTS

A.C. 110/220 V ±10%; 50 60 Hz

Input power 400 W

DIMENSIONS

400(W) x 450(H) x 500(D) mm

WEIGHT

35kg

REAGENTS AND CONSUMABLES

	NAME	REFERENCE
REAGENTS	SFRI Diluent 5.1	HSD 521
	SFRI Lyse 5.1	HSL 551
	SFRI Quench 5.1	HSL 502
CONSUMABLES	SFRI Clair 5.1	HSC 103
	BloodTrol 22	R024 xxx
	BloodCal	R021 003

Your Local Distributor:

SFRI

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