

SFRL
Medical Diagnostics



HEMIX3-60

SFRI new premium Blood Cell Counter

Just our bestseller, only better

HEMIX 3-60, THE PREMIUM ANALYZER FOR ALL LABS

SFRI continues to develop its range of hematology analyzers and has just enriched it with its HEMIX 3-60, a premium machine, which not only has all the advantages of our current bestsellers but has also been improved. This premium placement responds to the problems of reagents and especially of precision.

Only 2 Reagents

SFRI managed to create a 2-reagents system, closed with barcodes and thus ensuring a limited cost per test.

- reagents monitored in real-time, including waste
- high quality and stability lyse and diluent
- logistics and storage of 2 reagents only: optimized



SFRI premium 3-part diff analyzer

Optimized for low platelet and high lymphocyte counts

2 reagents only
Closed system management

Convenient to use, reliable in analysis

- 3-part differentiation, real 60 tests / hour
- 21 parameters
- WBC, Lymph#, Mid#, Gran#, Lymph%, Mid%, Gran%, RBC, HGB, MCV, MCH, MCHC, RDW-CV, RDW-SD, HCT, PLT, MPV, PDW, PCT, P-LCR, P-LCC,
- WBC, RBC, PLT Histograms
- True color touch screen for an high-ended, user-oriented software
- NEW! Export of all datas on USB in .csv format
- Software update through USB
- Multilingual and upgradable upon request
- LIS connectivity HL7 protocol
- PDF printer

Type	Name	Code	Volume
Diluent	SFRI Diluent 3.60	HSD326	20 L
Lyse	SFRI Lyse 3.60	HSL306	500 mL
Cleaning solutions	SFRI CleanEZ 3.60 SFRI Clair 3.60	HSC306 HSC106	60 mL 60 mL
Blood controls	BloodTrol 16 3 x 3 mL Normal 3 x 3 mL LNH 6 x 3 mL Normal 6 x 3 mL LNH	R021005 R021001 R021002 R021006	3 x 3 mL 3 x 3 mL 6 x 3 mL 6 x 3 mL
Calibrator	1 x 3 mL BloodCal	R021003	3 mL

Robust, easy maintenance

- Automatic unclogging before and after sample analysis
Back flushing / soaking / burning
- Automatic maintenance
- High quality components, reliable suppliers
- Mechanisms are protected, sub-assembly are removable for easier maintenance and cost-oriented
- Fluidics and electronics separated and isolated for additional precautions



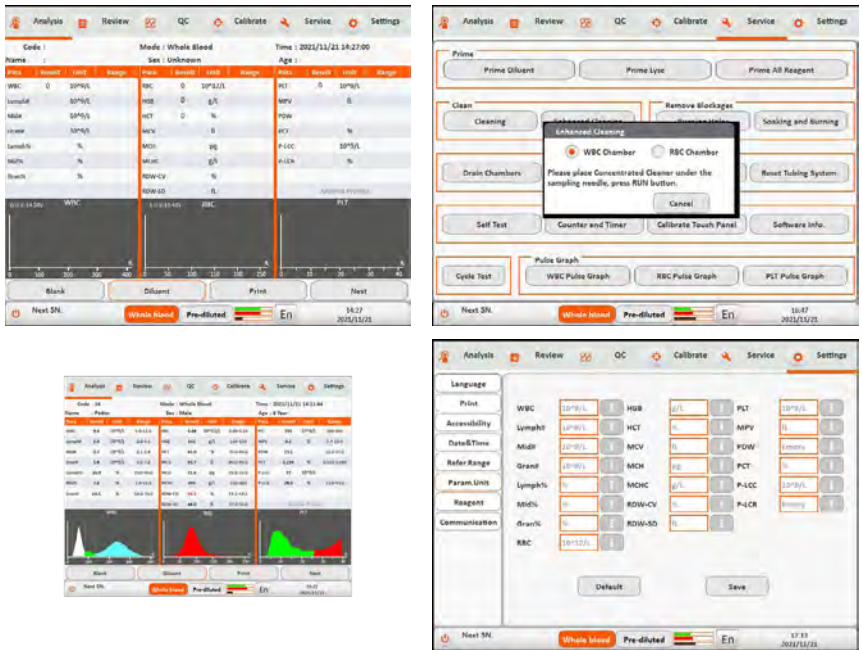
- Highly qualitative and precise instrument
- Thoroughly tested, even on fresh blood
- Gives excellent results on high lymphocytes and low platelets samples.

SFRI has worked hard to improve its instrument both in terms of its use by the operator and in terms of analytical results.

The HEMIX 3-60 offers for small laboratories (<20 tests/day), a quick launch option to save reagents during the start-up. And for big labs, an automatic maintenance to ensure their results stability through time.

State of the art software, user-friendly and automatic

SFRI continues to develop software that are the most convenient for users. Our new software is displayed on a large touchscreen with full colors. We thought laboratory and created an intuitive software, easy to take in hand and to operate. The touch keyboard makes the input simple and fast and the touch quality is optimal. SFRI's HEMIX 3-60 software also comes with many improvements:



- Automatic calibration
- Automatic maintenance
- Automatic blank counting
- Automatic adjusting voltage of HGB blank
- Self-test
- Intuitive indications: normochromic anemia, macrocytic anemia ... displays errors simply
- Multilingual and upgradable upon request

HEMIX 3-60

TECHNICAL SPECIFICATIONS

HEMIX 3-60: REFERENCE A0214

PARAMETERS - 21

WBC, Lymph#, Mid#, Gran#, Lymph%, Mid%, Gran%, RBC, HGB, MCV, MCH, MCHC, RDW-CV, RDW-SD, HCT, PLT, MPV, PDW, PCT, P-LCR, P-LCC,

PRINCIPLES

Impedance technology for blood cell counting and cyanide-free optical detection for hemoglobin.

PERFORMANCE

Parameter	Linearity Range	Accuracy (CV%)
WBC (10 ⁹ /L)	1.0~10.0	≤ 2.0% (7.0~15)
	10.1~99.9	≤ 3.5% (4.0~6.9)
RBC (10 ¹² /L)	0.30~1.00	≤ 1.5% (3.5~6.5)
	1.01~7.00	
HGB (g/L)	20~70	≤ 1.5% @ (100~180)
	71~240	
PLT (10 ⁹ /L)	20~100	≤ 5.0% (100~149)
	101~999	≤ 4.0% (150~500)

QUALITY CONTROL

Levey Jennings charts and calculation of Mean, SD, CV; up to 9 control files, 31 runs/ file.

THROUGHPUT

60 seconds per sample.

SAMPLE VOLUME

Venous	≤ 14 µl
Pre-diluted	≤ 20 µl

MEMORY STORAGE

50 000 patient files (parameters, histograms)
Multiple conditions query available
LIS transfer HL7 protocol

INPUT/OUTPUT

External monitor
RS232 x 1; USB port x 4 ; Ethernet x 1
Mouse, keyboard and barcode reader (optional)

CALIBRATION

Manual and automatic

PRINTOUT

Fast thermal printer, 57.5 mm wide paper, recording width 48 mm
Optional external printer, Ink jet or laser

DISPLAY

8" TFT LCD touchscreen
High resolution: 800x600 mm
True Color

INTERFACE

Multilingual Linux® software

REAGENTS

2 reagents only
Closed system managed by barcodes

OPERATING ENVIRONMENT

Temperature	18°C – 30°C
Humidity	< 70%
Atmospheric pressure	70.0 – 106.0 kPa

POWER REQUIREMENTS

A.C. 110/220 V ±10%; 50-60 Hz
Input: ≤ 150VA
Fuse: A.C. 230 V; 3.15 A

DIMENSIONS & WEIGHT

330(W) x 430(H) x 380(D) mm
23 kg

Your Local Distributor:

