SFRI

Medical Diagnostics

# COUNTENDER 20+

## New 3-Part Differential Blood Cell Counter

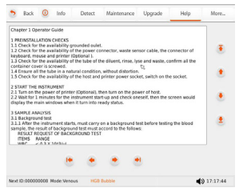
## Performance Meets Simplicity

# COUNTENDER 20+

## An analyzer designed for an easy-handling

- Cadence : 60 seconds per results
- Cost effective: one of the lowest consumption rates of reagents on the market
- Up to 50 000 patient results (including histograms) can be stored
- Optimized data research function
- Equipped with an Electronic Noise Reduction System – ELENOR® – for accurate low platelet counts
- Automatic update of software LINUX® directly from USB port
- Compact size, large color LCD display, touchscreen option: comfort and ease of use
- Built-in thermal printer, external keyboard and mouse provided
- Optional barcode reader: saves time, avoids identification errors and allows for hassle free routine

Large LCD display, 20 parameters & 3 color histograms on 1 screen



On-board operator guide and help

Fully automatic calibration in all sample mode

## Consumables

| | NAME | TYPE | REFERENCE | VOLUME | SHELF LIFE** |
|---|---|---|---|---|---|
| REAGENTS | SFRI Diluent 3.1 | Diluent | HSL321 | 20 L | 36 months |
| | SFRI Lyse 3.1 | Lyse | HSL302 | 500 ml | 24 months |
| | SFRI Cleaner 3.1 | Cleaner | HSG305 | 5 L | 24 months |
| MAINTENANCE SOLUTIONS | SFRI CleanEZ 3.1 | Shutdown | HSC302 | 60 ml | 12 months |
| | SFRI Clair 3.1 | Emergency cleaner | HSC102 | 60 ml | 12 months |

| | NAME | TYPE | REFERENCE | CVS*** | OVS*** |
|---|---|---|---|---|---|
| CONTROLS | BloodTrol 16 | 3 tubes N | R021005 | 105 days | 14 days |
| | | 3 tubes LNH | R021001 | | |
| | | 6 tubes N | R021002 | | |
| | | 6 tubes LNH | R021006 | | |
| CALIBRATOR | BloodCal | 1 tube | R021003 | 45 days | 5 days |

*Local distributors can provide comparative table - **From date of manufacture - *** Closed / opened vial stability

# A Concentrate of Technology

New 3-part diff generation

All new design, best quality

## BRAND NEW MODULAR SYSTEM

*3-part differentiation of WBC, 20 parameters & 3 color histograms (WBC, RBC, PLT)*

### BRAND NEW LINUX® SOFTWARE « so much more user-oriented!»

#### WHAT'S NEW?

1. Multilingual
2. All printers available (ink jet or laser)
3. Up to 50 000 data storage
4. 4 USB ports: printer, keyboard, mouse AND software upgrade
5. 1 Ethernet port for data transfer
6. Screen resolution 600*800
7. Hardware stored in the internal memory
8. Data backup possible via USB export of samples results

### New options customers asked for!

**TOUCHSCREEN** **OR** **«BASIC»**

**CLOSED SYSTEM WITH BARCODES**

# COUNTENDER 20+

## TECHNICAL SPECIFICATIONS
### COUNTENDER 20+: REFERENCE A0208

**PARAMETERS**
WBC, RBC, HGB, PLT, MCV, MPV measured;
Lym#, Mid#, Gran#, HCT, MCH, MCHC, PCT% calculated;
Lym%, Mid%, Gran%, RDW-SD, RDW-CV, PDW%, P-LCR% given by histograms.

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

**PERFORMANCE**

| Parameter | Linearity Range | Precision (CV%) |
|---|---|---|
| WBC ($10^9$/L) | 0-99.99 | 2.5% @ 5-10 |
| RBC ($10^{12}$/L) | 0-9.99 | 2.0% @ 4-6 |
| HGB (g/L) | 0-300 | 2.0% @ 50-200 |
| MCV (fL) | 40-150 | 1.0% @ 70-120 |
| PLT ($10^9$/L) | 10-999 | 5.0% @ 200-450 |

**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 | 9.6 µl |
| Capillary | 9.6 µl |
| Pre-diluted | 20 µl |

**MEMORY STORAGE**
50 000 patient files
Mono-directional LIS transfer

**INPUT/OUTPUT**
External monitor
RS232 x 1; USB port x 4 ; Ethernet x 1

**PRINTOUT**
Fast thermal printer, 57.5 mm wide paper,
recording width 48 mm
Optional external printer, Inkjet or laser

**DISPLAY**
8" LCD screen
High resolution: 800x600 mm
Color display

**INTERFACE**
Multilingual Linux® software

**OPERATING ENVIRONMENT**

| | |
|---|---|
| Temperature | 18°C – 35°C |
| Humidity | ‹ 85% |
| Atmospheric pressure | 86.0 – 106 kPa |

**POWER REQUIREMENTS**
A.C. 110-220 V; 50/60 Hz
Fuse: A.C. 250 V; 2 A

**DIMENSIONS**
330(W) x 430(H) x 380(D) mm

**WEIGHT**
17.5 kg

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