

## MICROSXL80

CBC/5-part DIFF

Integrated Validation Station

Customized Dilution Ratio



### Innovative features:

- Autoloader with continuous loading capability
- STAT sampling on open and closed tube
- Microsampling from whole blood (CBC : 30  $\mu$ L - DIFF: 53  $\mu$ L)
- **Integrated Validation Station** with LCD-color touch screen
- Automatic Sample Re-run
- **Customized Dilution Ratio (CDR)**
- Windows XP
- MDSS\* technology
- DHSS\* technology

*\*HORIBA ABX patents*

### Technical

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- **Weight** : 122 lbs, 55 kg.
- **Power supply** : 100/240 V - 50/60 Hz - 300 VA.
- **Dimensions (HxWxD)** : 32.3 x 22.4 x 21.5 in, 82 x 57 x 54 cm.
- **Printer** : Laser.
- **Throughput** : 80 samples/hour.

- **Data processing :**
    - Windows XP
    - Floppy Disk & CDROM reader, RS232C, TCP/IP, 2 x USB1 Mono and bi-directional connection.
    - ASTM protocol
  
  - **Memory capacity :**10 000 results + graphics
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## Samples

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**80 samples/hour (open or closed tube) :**

- **Parameters (26) :**  
WBC, RBC, HGB, HCT, MCV, MCH, MCHC, RDW, PLT, MPV, \*PCT, \*PDW % and #  
NEU, LYM, MON, EOS, BAS

**Plus:**

- \*ALY = Atypical Lymphocytes (# and %)
- \*LIC = Large Immature Cells (# and %)

\* *RUO (Research Use Only)*

- **Graphs :**
  - High-definition LMNE color matrix
  - PLT, RBC, WBC/BAS curves
  
- **Volume :**
  - CBC mode : 30  $\mu$ L
  - CBC + DIFF mode : 53  $\mu$ L
  
- **Stability :** 48 hours

### Operating sample mode :

- Autoloader 10 racks (100 tubes) capacity
- Sample mixing with end-over-end tube rotation
- Closed or open STAT tube
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**Identification :** Alphanumeric, Barcode reader (internal and external)

Parameters	Precision (cv %)	Linearity	CDR
WBC	< 2%	0-120 x 10 <sup>3</sup> /μL	120-360 x 10 <sup>3</sup> /μL
RBC	< 2%	0-8 10 <sup>6</sup> /μL	0-8 X 10 <sup>6</sup> /μL
HGB (whole blood)	<1%	0-24 g/dl	0-24 g/dL
HCT	< 2%	0-67%	0-67%
PLT (whole blood)	< 5%	0-1900 x 10 <sup>3</sup> /μL	1900-3800 x 10 <sup>3</sup> /μL
PLT (PLT concentrate)	< 5%	0-2800 x 10 <sup>3</sup> /μL	2800-5600 x 10 <sup>3</sup> /μL

### Concept and Technology

- **MDSS\***: Microsampling and perfect homogenization of samples and reagents
- **Methods of measurement**: Cytochemistry, photometry, impedance, optical and flow cytometry (LMNE matrix).
- **DHSS\***: Focused flow cytometry and sequential measurement (impedance and optical)
- **Automatic sample re-run** : Selective and programmable (parameters alarms, dilution, delta check)
- **End-over-end mixing (360°) of tubes**: reference method (smooth and efficient)
- **Liquid valves (no pinch valves)**: Reliability and increased precision
- **No compressor (stepper motor)**: Reliability, less maintenance and noise

*\*HORIBA ABX patent*



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