

IN-VITRO DIAGNOSTIC MEDICAL DEVICES

HAEMATOLOGY ANALYZERS



+27 60 999 9140

info@microanalytica.co.za

489 Jacqueline Drive, Garsfontein
Pretoria, Gauteng, 0081

ANALYTICAL EXCELLENCE...

www.microanalytica.co.za

Auto Haematology Analyzer MA-6190

FEATURES:

- Throughput: 60 t/h
- 8-inch touch screen
- 21 parameters + 3 histograms
- 3 counting modes
- 100,000 sample results
- Support LIS



MA-6190-03

MODEL SPECIFICATIONS:

| | | | | | | |
|---------------------|---|-------------------------------|-------------------------------|------------------|----------------|----------------------------------|
| Model | MA-6190 | | | | | |
| Throughput | 60 tests/hr | | | | | |
| Measuring Principle | Impedance for cell counting, Cyanide-free method for HGB | | | | | |
| Aperture Diameter | WBC chamber: 100µm, RBC/PLT chamber: 70µm | | | | | |
| Parameters | WBC, Neu#, Lym#, Mid#, Neu%, Lym%, Mid%, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-SD, RDW-CV, PLT, MPV, PDW, PCT, P-LCR | | | | | |
| Histograms | 3 histograms (including WBC, RBC, PLT) | | | | | |
| Sample Volume | Whole Blood: 10ul; Prediluted: 20µl | | | | | |
| Calibration | Manual & auto calibration | | | | | |
| Counting Modes | Venous, capillary, prediluted | | | | | |
| Printer | Built-in thermal printer, external printer (optional) | | | | | |
| Data Input | 8-inch touch screen, keyboard, mouse | | | | | |
| Output | RS-232 port, USB port, VGA port. LIS system available | | | | | |
| Storage | 100 000 results with histogram | | | | | |
| Carry-over Rate | Parameter: | WBC | RBC | HGB | PLT | |
| | CV | ≤ 2% | ≤ 1% | ≤ 2% | ≤ 2% | |
| Background | Parameter | WBC | RBC | HGB | HCT | PLT |
| | Background | ≤ 0.2×10 ⁹ /L | ≤ 0.02×10 ¹² /L | ≤ 1 g/L | ≤ 0.5% | ≤ 10×10 ⁹ /L |
| Precision | Parameter: | WBC | RBC | HGB | MCV | PLT |
| | CV | ≤ 2.0% | ≤ 1.9% | ≤ 1.9% | ≤ 0.4% | ≤ 4.0% |
| | Measurement range | (4.0-15.0×10 ⁹)/L | (3.5-6.0×10 ¹²)/L | (110.0-180.0g)/L | (80.0-110.0)fL | (100.0-500.0×10 ⁹)/L |

| | | | | | |
|------------------------------|-----------------------------------|---|--|---------------------------------|---|
| Linearity | Parameter: | WBC | RBC | HGB | PLT |
| | Measurement range | (0-5.9×10 ⁹)/L (6.0-99.9×10 ⁹)/L | (0-0.99×10 ¹²)/L (1.0-9.99×10 ¹²)/L | (0-99.0g)/L (100.0-300.0g)/L | (0-99×10 ⁹)/L 100-999×10 ⁹ /L |
| | CV | (±0.3×10 ⁹)/L ±5% | (±0.05×10 ¹²)/L ±5% | (±2.0g)/L ±2% | (±8.0×10 ⁹)/L ±10% |
| Power Supply | AC220±10%, 60/50Hz, 110±10%, 60Hz | | | | |
| Package Size | 560*470*600mm | | | | |
| Gross Weight (kg) | 24 | | | | |
| Reagent package Size (W*D*H) | 370*320*320mm | | | | |
| Reagent Gross Weight (kg) | 22 | | | | |