

D-Cell 60

Hematology Analyzer



Offering
the excellence



DIAGON®

D-Cell 60

Hematology Analyzer

Excellence in its class

- 3-part differentiation of WBC with improved cyanide-free reagent system
- 19 parameters + 3 histograms
- Automatic orifice clearing
- Automatic sampling probe cleaning
- Huge number of sample results, including histograms can be stored
- Built-in thermal printer (optional external printer)
- Bar code scanner (optional)
- Touchpad and normal computer keyboard for convenient data entry
- Large color LCD display

Flexible and Easy To Use

- Full blood picture from venous or capillary blood
- Automatic cleaning programs
- Low reagent consumption, cost effective operation
- Low sample volume
- High reliability
- Maintenance free concept

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Total Solution for QC and Calibration

- Comprehensive QC programs
- Control files for the commercial control blood and XB programs
- Fully automatic calibration



Dedicated reagents from Diagon®

Diagon® D-Cell 60

31101	Dia-Diluent-D	20 L
31102	Dia-Lyse-Diff D-CF	0,5 L
31103	Dia-Rinse-D	20 L
31114	Dia-EZ-Cleaner-D	0,05 L
31105	Dia-Probe-Cleaner-D	0,05 L

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TECHNICAL SPECIFICATIONS

Parameters

WBC, Lymph#, Mid#, Gran#, Lymph%, Mid%, Gran%, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, MPV, PDW, PCT and Histogram for WBC, RBC, PLT

Principles

Electrical resistance for cell counting

Cyanide free method for hemoglobin

Performance:

Parameter	Linearity Range	Precision (CV%)
WBC($10^9/L$)	0.0-99.9	2.5 (7.0-15.0)
RBC($10^{12}/L$)	0.00-9.99	2.0 (3.50-6.00)
HGB (g/L)	0-300	1.5 (110-180)
MCV (fl)	40.0-150.0	0.5 (80.0-110.0)
PLT($10^9/L$)	10-999	5.0 (200-500)

Sample Volume: Prediluted 20 uL blood, Whole blood 13 uL

Aperture Diameter: WBC 100 um, RBC/PLT 70 um

Dilution Ratios:	Whole Blood	Capillary Blood
WBC	1:304	1:293
RBC/PLT	1:44833	1:44402

Throughput: 60 samples per hour

Display: Large color LCD display , Resolution: 800x600

Alerts: 33 different alert messages

Carryover: WBC, RBC, HGB < 0.5%, PLT < 1 %

Input/Output: External keyboard RS232x2, parallel printer (optional), bar code scanner (optional)

Printout: Thermal printer with 50 mm wide paper, matrix printer (optional)

Operating Environment: Temperature 15°C- 30°C, Humidity 30% - 85%

Power Requirement: AC 100V-240V, 50/60Hz,

Dimensions: 460mm(H)x390mm(W)x390mm(D)

Weight: 25kg



Distributor:

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