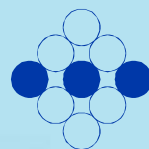


# Hematology Analyzer



**DIAGON®**

Solutions beyond imagination

## D-Cell 30

## D-Cell 60

D-Cell 60  
DIAGON Hematology Analyzers



**D-Cell 60**  
Offering the  
excellence

**D-Cell 30**  
Small labs  
shouldn't  
compromise  
either

**DIAGON®**

# Hematology Analyzer

## D-Cell 30

## D-Cell 60

### 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

**DIAGNON®**

## 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 30 / 60

31101	Dia-Diluent-D	20 L
31102	Dia-Lyse-Diff D-CF	0,5 L
31103	Dia-Rinse-D	20 L
31104	Dia-EZ-Cleaner-D	0,1 L
31105	Dia-Probe-cleaner-D	0,05 L

## TECHNICAL SPECIFICATIONS

# DIAGON®

D-Cell 60		D-Cell 30	
<b>PARAMETERS</b>			
WBC, Lymph#, Mid#, Gran#, Lymph%, Mid%, Gran%, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT MPV, PDW, PCT, histograms for WBC, RBC, PLT			
<b>PRINCIPLES</b>			
Electrical resistance for cell counting and sizing cyanide free method for hemoglobin			
<b>PERFORMANCE</b>			
Storage capacity			
20.000 results with histograms		10.000 results with histograms	
<b>LINEARITY RANGE</b>			
WBC (10 <sup>9</sup> /L)		0.0-99.9	
RBC (10 <sup>12</sup> /L)		0.00-9.99	
HGB (g/L)		0-300	
MCV (fl)		40.0-150.0	
PLT (10 <sup>9</sup> /L)		10-999	
<b>PRECISION (CV%)</b>			
WBC (10 <sup>9</sup> /L)	2.5 (7.0-15.0)	WBC (10 <sup>9</sup> /L)	3.0 (7.0-15.0)
RBC (10 <sup>12</sup> /L)	2.0 (3.50-6.00)	RBC (10 <sup>12</sup> /L)	2.0 (3.50-6.50)
HGB (g/L)	1.5 (110-180)	HGB (g/L)	2.0 (100-180)
MCV (fl)	0.5 (80.0-110.0)	MCV (fl)	1.0 (70.0-110.0)
PLT (10 <sup>9</sup> /L)	5.0 (200-500)	PLT (10 <sup>9</sup> /L)	5.0 (200-500)
<b>SAMPLING</b>			
D-Cell 60: open sampler		D-Cell 30: open sampler	
<b>SAMPLE VOLUME</b>			
Prediluted: 20 uL whole blood			
Whole blood: 13 uL whole blood			
<b>APERTURE DIAMETER</b>			
WBC: 100 um RBC/PLT: 70 um		WBC/RBC/PLT: 80 um	
<b>TEST SELECTION</b>			
All parameters		RBC - PLT WBC - 3PD - HGB all parameters	
<b>THROUGHPUT</b>			
60 samples per hour		30 samples per hour	
<b>DISPLAY</b>			
Large, color LCD display			
<b>CARRYOVER</b>			
WBC, RBC, HGB < 0.5%, PLT < 1 %			
<b>INPUT/OUTPUT</b>			
External keyboard RS232x2, bar code scanner (optional)			
<b>PRINTOUT</b>			
Built-in thermal printer, external matrix printer (optional)			
<b>OPERATING ENVIRONMENT</b>			
Temperature: 15°C- 30°C			
Humidity: 30% - 85%			
<b>POWER REQUIREMENT</b>			
AC 100V-240V, 50/60Hz			
<b>DIMENSION</b>			
460mm(H)x390mm(W)x390mm(D)		437mm(H)x322mm(W)x390mm(D)	



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