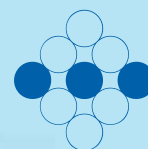


# D-Cell 60

## Hematology Analyzer

Made In Hungary



**DIAGON®**  
Solutions beyond imagination



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

## 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 |

**DIAAGON®**

## 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

|                         |             |                 |
|-------------------------|-------------|-----------------|
| <b>Dilution Ratios:</b> | 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:



#### Europe – Diagon Ltd. Hungary (Headquarters)

H-1047 – Budapest – Baross u. 52. – Hungary  
Tel.: (36) 1-369-6500 – [diagon@diagon.com](mailto:diagon@diagon.com)

#### South America – Diagon Ltda. Brasil

Av. José Cândido Da Silveira, 2100 – CEP 31170-000  
Bairro Horto – Belo Horizonte – MG – Brasil  
Tel.: (55) 31-3488-6777 – [diagon@diagon.com.br](mailto:diagon@diagon.com.br)

#### Asia – PT. Inti Diagontama Selares

Perkantoran Plaza Pasifik A3/59 – Jl. Raya Boulevard Barat  
Kelapa Gading Permal Jakarta 14250 – Indonesia  
Tel.: (62) 21-458-40649 – [dsu@centrin.net.id](mailto:dsu@centrin.net.id)



Published with  
the support of:



**Made In Hungary**