

<b>Parameters</b>	CBC+5 DIFF mode (24 parameters) - 2 histograms: RBC, PLT; 2 scattergrams: 4 diff, BASO WBC, LYM, MON, NEU, EOS, BAS, LYM%, MON%, NEU%, EOS%, BAS%, RBC, HCT, MCV, RDW (sd/cv), HGB, MCH, MCHC, PLT, PCT, MPV, PDW (sd/cv)
<b>Technology</b>	Laser light scatter technology for 5-part WBC differential Impedance method for CBC: WBC (80 µm), RBC and PLT (70 µm) Light absorbance for HGB measurement Cyanide-free reagent system
<b>Throughput</b>	Up to 60 tests/hour
<b>Sample volume</b>	100 µl (open/closed, whole blood)
<b>Sampling method</b>	Closed and open tube sampling, auto-sampler (optional)
<b>Calibration</b>	Stat & Autoloader mode, specific control material (external reference – optional)
<b>Quality Control</b>	Separate QC database, Levey-Jennings Charts
<b>Multi user mode</b>	Multilevel user modes with individual identification (username, password)
<b>User interface</b>	600x800 color graphics LCD, touch screen (10.4")
<b>User languages</b>	Multilingual user interface
<b>Software upgrade</b>	Via USB port (USB memory stick)
<b>Data storage capacity</b>	100.000 records
<b>Printout</b>	External, Microsoft® Windows™ compatible printers
<b>External keyboard</b>	PS/2 or USB
<b>Interfacing capabilities</b>	RS232, USB, Ethernet
<b>Size (W x H x D)</b>	40 x 50 x 45 cm
<b>Weight</b>	35 kg, with auto-sampler 45 kg
<b>Operating environment</b>	Temperature: 15–35 °C Relative humidity: max 80% (non-condensing)
<b>Autoloader</b>	
<b>Sample capacity</b>	100 tubes: 10 racks with 10 sample tubes each
<b>Acceptable primary tubes</b>	Monovette®, Vacutainer®, Vacuette®
<b>Other features</b>	Built-in bar code reader Built-in sample mixer Cap recognition (only tubes with caps are mixed and processed)
<b>Reagents**</b>	
<b>Diatro Dil-Diff (D50)</b>	Diluent
<b>Diatro Lyse-5P</b>	Lysing reagent for quantitative and qualitative determination of WBC, and HGB concentration
<b>Diatro Diff-5P</b>	Lysing reagent for quantitative determination of WBC, leukocyte five-part differentiation (LYM, MON, NEU, EOS, BAS) and hemoglobin (HGB) concentration
<b>Diatro Hypoclean CC</b>	External cleaner for removing blood component precipitates from capillaries, tubings and chambers

**Your distributor:**

\* Diatron reserves the right to change any of the specifications without prior notice.  
\*\* Usage of original Diatron reagents is recommended  
Full specifications are available on request or can be obtained from [www.diatron.com](http://www.diatron.com) (select "products".)



**Diatron MI PLC**  
Papírgyár u. 58-59.  
H-1038 Budapest, HUNGARY

Phone: (36-1) 436 9800, fax: (36-1) 436 9809  
[www.diatron.com](http://www.diatron.com)  
E-mail: [sales@diatron.com](mailto:sales@diatron.com)

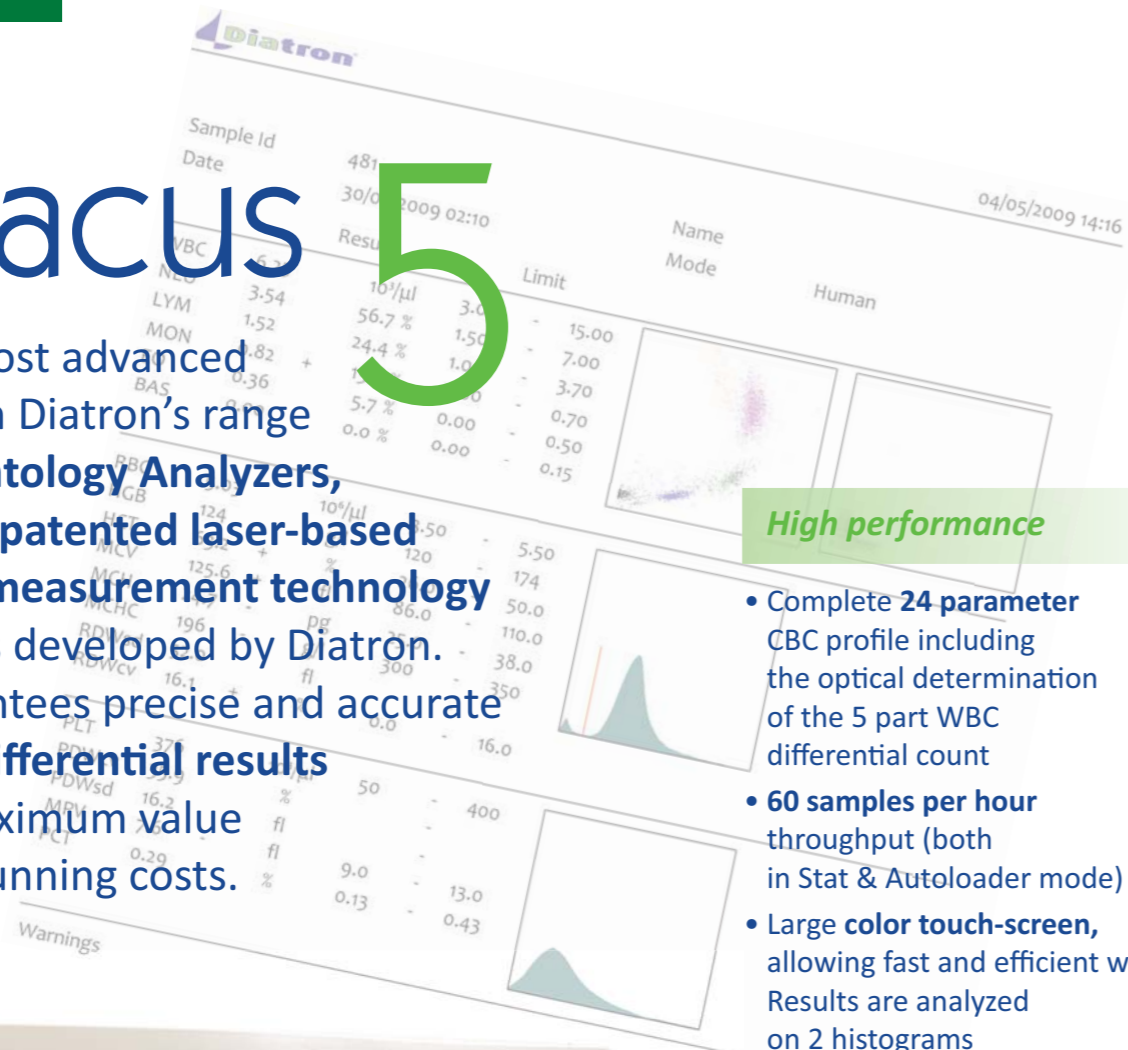


**Innovative Solutions in Hematology**

# Abacus 5

# Abacus 5

is the most advanced model in Diatron's range of **Hematology Analyzers**, utilizing **patented laser-based optical measurement technology** that was developed by Diatron. It guarantees precise and accurate **5 part differential results** with maximum value at low running costs.



### High performance

- Complete **24 parameter** CBC profile including the optical determination of the 5 part WBC differential count
- **60 samples per hour** throughput (both in Stat & Autoloader mode)
- Large **color touch-screen**, allowing fast and efficient work. Results are analyzed on 2 histograms and 2 scattergrams
- **More than 100.000 results** database capacity
- **Compact bench saving footprint**
- **No external compressor**



Name: Diatron  
 Title: \_\_\_\_\_  
 SSN: XXXXXXXXX214  
 Gender: Male  
 BirthDate: 09/10/1979 00:00  
 Nationality: Hungarian  
 PhoneNumber: 555412578  
 E-mail: \_\_\_\_\_  
 Country: \_\_\_\_\_  
 City: Budapest  
 Address: Papirgyar 58  
 Zip: H1038

### Ease of use

- The instrument features an easy-to-use, logically constructed **multilingual operating menu**
- Embedded software enables **easy connection** to a computer
- **Windows® compatible printers** are supported
- **Closed and open tube** sampling method
- Integrated **bar code reader** for safe and rapid sample processing
- Autoloader with 100 sample positions



### Reliable and efficient

- The **long lifetime diode laser** ensures optimal performance
- Abacus 5 requires **minimal maintenance** and so reduces operational disruptions
- Its **compact size** makes it suitable for laboratories with low desktop space
- **Diagnostic flagging system**
- Uses **only 3 reagents + cleaner**
- **Walk-away system**
- Autoloader with a **capacity of 100 tubes**
- Cap recognition mechanism to avoid sampling errors

Sample id	Creation time	Mode	WBC
11	15/05/2009 16:28	Human	2.84
12	15/05/2009 16:29	Human	3.41
13	15/05/2009 16:31	Human	8.04
14	15/05/2009 16:32	Human	5.71
15	15/05/2009 16:33	Human	4.45
16	15/05/2009 16:34	Human	4.71
17	15/05/2009 16:36	Human	8.91
18	15/05/2009 16:37	Human	13.51
19	15/05/2009 16:38	Human	8.79
20	15/05/2009 16:39	Human	7.45
1	15/05/2009 16:42	Human	8.85
2	15/05/2009 16:44	Human	8.47
3	15/05/2009 16:46	Human	6.44
4	15/05/2009 16:48	Human	15.31