



Áttetsző CD tartó tok

Technical Specifications

Principles

Electrical resistance for counting RBC and PLT and STF method for hemoglobin
Flow Cytometry (FCM)+Laser light scatter for WBC differential analysis

Parameters

WBC, Lym#, Mon#, Neu#, Bas#, Eos#, Lym%, Mon%, Neu%, Bas%, Eos%, RBC, HGB, HCT, MCV, MCHC, RDW-SD, PLT, MPV, PDW, PCT.4 Research parameters includes IMM#, IMM%, ATL#, ATL%
2 histograms for RBC and PLT
2 scatter grams: Basophils Scatter grams,
4 differential Scatter grams

Performance

Parameter	Linearity Range
WBC (10^9 /l)	1.00-99.99
RBC (10^{12} /l)	0.30-10.00
HGB (g/l)	1-300
PLT (10^9 /l)	10-1000

Sample Volume

Prediluted	10ul
Manual mode (Open sampling)	120ul
Auto loader/Manual mode (Closed tube)	180ul

Throughput

Up to 80 samples per hour

Display

10,4 inch TFT Touch Screen
Resolution: 800x600 px

Menu

Count, Review, QC, Setup, Service, Calibration, Logout, Shutdown

Carry Over

WBC, RBC, HGB, HCT<0.5%, PLT<1.0%

Interface

USB, LAN

Printout

External Laser Printer/Inkjet Printer, various printout formats

Operating Environment

Temperature: 15-30C
Humidity: 30-85%

Power Requirement

Main Unit: A.C. 100-240V, 50/60 Hz
Compressor: A.C. 100V/115V, 50/60 Hz
A.C. 220V/230V, 50/60 Hz

Dimension and Weight

	Main Unit	Compressor	Sample Loader (optional)
Length (mm)	660	420	520
Width (mm)	600	310	235
Height (mm)	583	435	90
Weight (Kg)	73	23	6.1

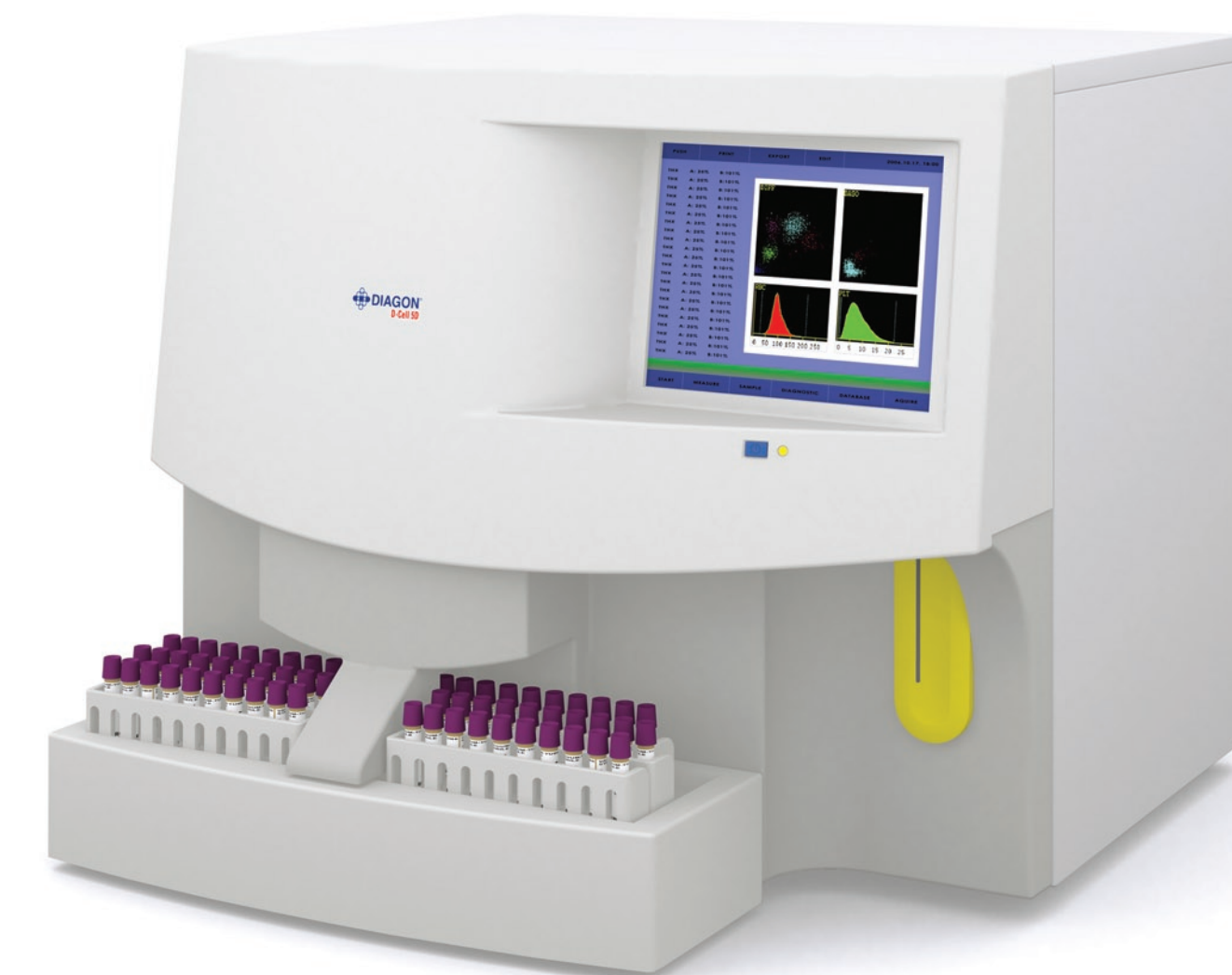
Options

Autoloader(including BCR)
Closed Sampler

Distributor:

D-Cell 5D

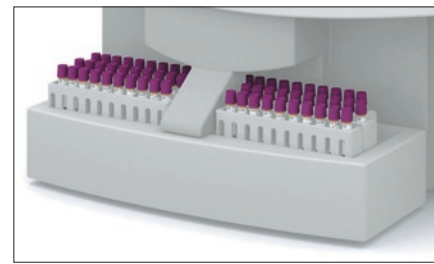
5 Diff Hematology Analyzer



High Performance

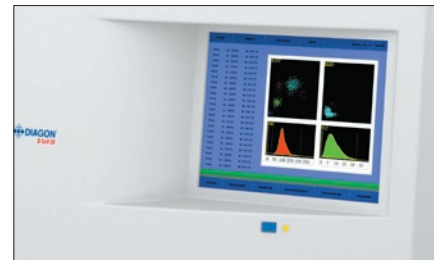
Accurate Blood Dispense System

D-Cell 5D's advanced ceramic Sheer valve platform accurately segments blood with high precision. Sheer valve is also highly smooth and durable, allowing for easy cleaning and care.



Auto Loader

The auto loader option provides a comfortable labor saving solution for the high workload laboratories. The sampler tray can hold up to 50 samples in standard closed blood collection tubes. The instrument automatically homogenizes, pierces and aspirates the blood samples, identifying them using worklist or barcodes.



Large TFT Touch Screen

Easy to operate touch screen with large icons
Customizable software
Up to 40,000 sample results are stored, including 27 parameter numerical results, two histograms, and two scattergrams. The instrument can be controlled also by using keyboard or mouse.



STAT Sampler

In emergency cases the operator has the possibility to run stat samples in open mode, interrupting the routine measurements run by the autoloader.

CBC

CBC+5DIFF

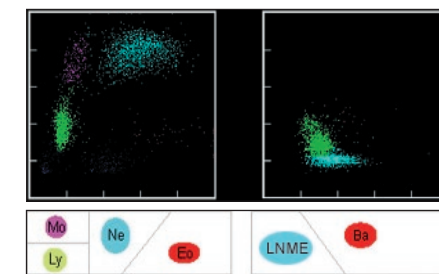
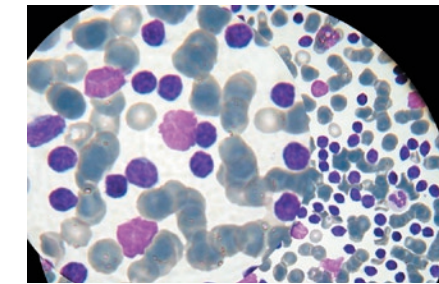
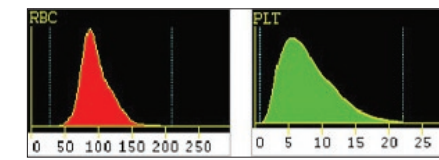
CBC

Multiple Discrete Testing Models

Offers multiple discrete testing models and real time random access analysis for testing versatility.

High Accuracy

Advanced multi-technology platform ensures accurate results



Traditional Technology for the Basic Parameters

Enumeration and sizing of red blood cells and platelets with the proven impedance method. Environmental friendly cyanide free hemoglobin reagent.

Improved Flagging Algorithm

Highly sophisticated software to distinguish between normal and abnormal samples.
The instrument informs the user about the presence of abnormal or suspicious cell populations. The abnormal populations are further identified as atypical lymphocytes, large immature cells, giant platelets, or platelet clumps.

Utilizing the Latest Technology for WBC differentiation

The D-cell 5D hematology analyzer utilizes a long lasting semiconductor laser light source with a unique dual acceleration flow cell technology. Combining the high precision optical structure with cytochemical staining method the instrument provides best-in-class leukocyte differentiation.

