



CELLENIUM[®] 21

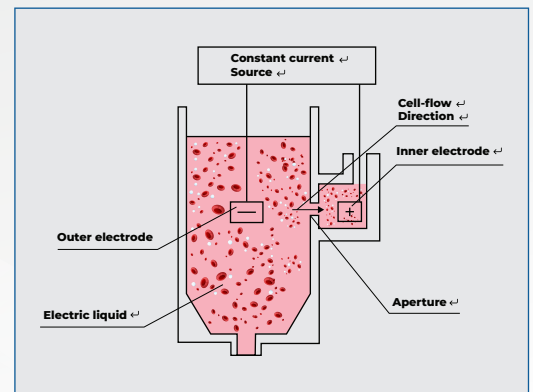
count on it

- Throughput: Upto 72 samples / hour with 22 parameters
- Precision counting through High resolution Cylindrical Aperture
- Accurate and Precise result by Sweep flow, PHM and PWM technology for reliable results
- Intelligent fault diagnostics with clog detection & auto-removal
- Advanced algorithmic floating discriminator for better cells discrimination



Accurate and Precise Results

- Electrical impedance measurement technology
- Auto internal & external cleaning for aspiration probe
- High precision with Ceramic piston syringe
- High precision counting through cylindrical Ruby aperture RBC 68 μ m & WBC 100 μ m



Easy to use

- 10.4" inch color LCD with high resolution
- Intuitive touch screen
- Working **status indicator** light
- Multiple port for external connectivity
- Internal storage for lyse bottle
- Built in thermal printer module & external printer connectivity



Cost-Efficient

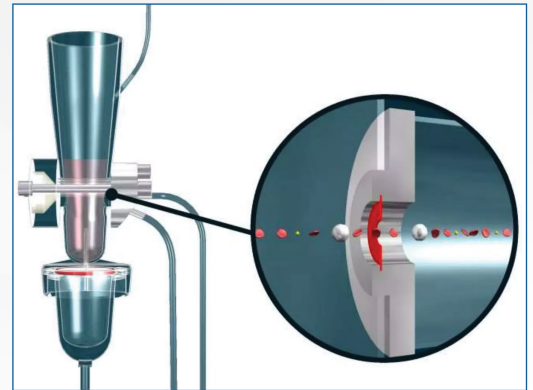
- Improved fluid system with low reagent consumption
- **2 Reagent system** convenient for small & medium size labs
- Smart RFID based reagents: Monitoring of volume & onboard stability of reagents
- RFID based reagents inventory management





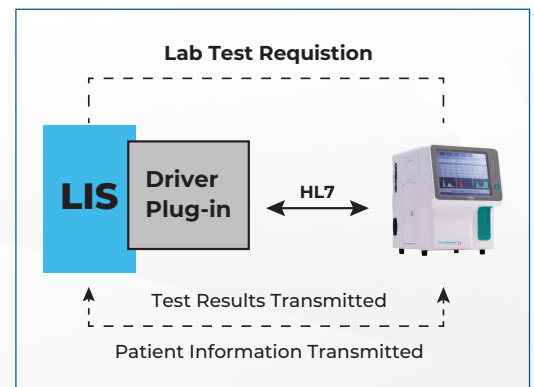
Auto-Maintenance

- Special self-checking function during initialization
- **Auto clog removing** by aperture cleaning and flushing
- Alarm prompt system for error message/maintenance



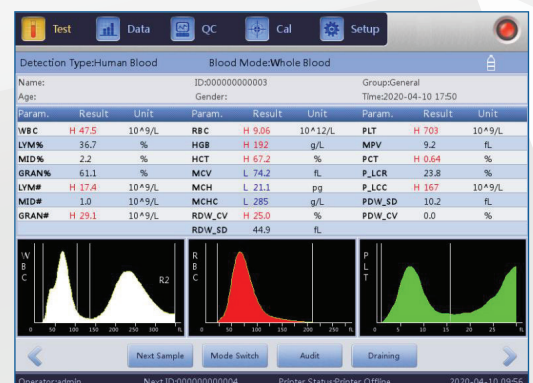
Intutive Software Function

- User friendly interface and illustrate icons
- On board storage up to 1,000,000
- External storage through Pendrive
- Support **LIS** and **HIS**



Quality Control

- Separate QC Database
- Levey - Jenning graph
- L-J, X, X-R and X-B QC methods



Technical Specifications

Parameters: 22 Parameters

WBC, LYM#, MID#, NEU#, GRAN#, LYM%, MID%, NEU%
RBC, HGB, MCV, HCT, RDW-CV, RDW-SD, MCH, MCHC
PLT, MPV, PCT, P-LCC, P-LCR, PDW-SD, PDW-CV

Histogram: 3 Histograms (WBC,RBC,PLT)

Throughput: 72 Samples / hour

Principle of Operation:

RBC/PLT/WBC/Diff: Electrical Impedance

HB: Cyanide free colorimetry

MCV/MPV: Measured

Sample Volume:

Whole Blood 8.5 µl

Peripheral Blood 8.5 µl

Pre-diluted 20 µl (Auto dispense of diluent)

Aperture Diameter:

WBC 100 µm,

RBC/PLT 68 µm

Display:

10.4" LCD display

Touch screen facility

Printer:

Inbuilt thermal printer

User Interface:

5 USB port

-Keyboard

-Mouse

-External HP printer

-Barcode scanner

-External storage/Software upgradation

RS232/LAN

-LIS/HIS connectivity

Data Storage:

Up to 1,000,000 sample results with histograms

Data back-up through USB mass storage device

Power:

Voltage Range: 100V-240V AC

Frequency: 50/60 HZ

Operating Environment:

Temperature : 15°C - 35°C

Humidity: ≤95%RH

Storage Temperature: 10°C - 55°C

Dimension: 415 mm x 305 mm x 395 mm

Weight: Above 18kg

Calibration:

Manual and Auto calibration

CBC CAL PLUS (1x3 ml)

Quality Control:

L-J graph, X- Bar analysis, X-Mean analysis

D Check D (3x3 ml)

Linearity Range:

Parameter	Linearity Range	SI Unit
RBC	0 - 8	10 ⁶ /µl
WBC	0 - 99.9	10 ³ /µl
PLT	150 - 400	10 ³ /µl
HGB	0 - 28	g/dL
HCT	0 - 67	%

Ordering Information

Product	Product Code	Description	Pack Size
Reagent	30201464	DILUCEL 21	10 L
	30201558	LYCEL 21	250 ML
Probe Cleaner	30201175	Probecel DC (100 ML)	2 x 50 ML
Control	DIG-41829	D Check D (Low, Normal, High)	3 x 3 ML
Calibrator	DIG-47960	CBC CAL PLUS	1 x 3 ML
Instrument	30201108	CELLENIUM 21	1 UNIT



*Please note: Product specifications are subject to change without prior notice owing to product modifications, improvements / up-gradation.

IVD

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