



# CELLENIUM<sup>®</sup> 21<sup>+</sup>

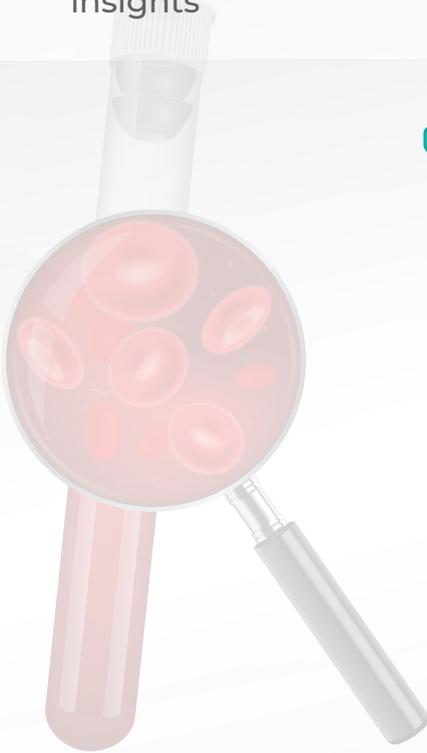
count on it

- Throughput: Upto 60 samples per hour with 21 parameters
- 10.4 Inch color display screen with touch panel
- Minimum required whole blood volume 9µl
- Large storage capacity of 500,000 sample results



## Operational Efficiency

- **Double chamber configuration** delivers accurate and **precise** results
- Proven impedance measurement technology, coupled with **advanced flagging** algorithms for reliable analysis
- Integrated **clog detection and removal**, featuring automatic system cleaning for uninterrupted operation
- Comprehensive **21-parameter** CBC with three histograms for detailed insights



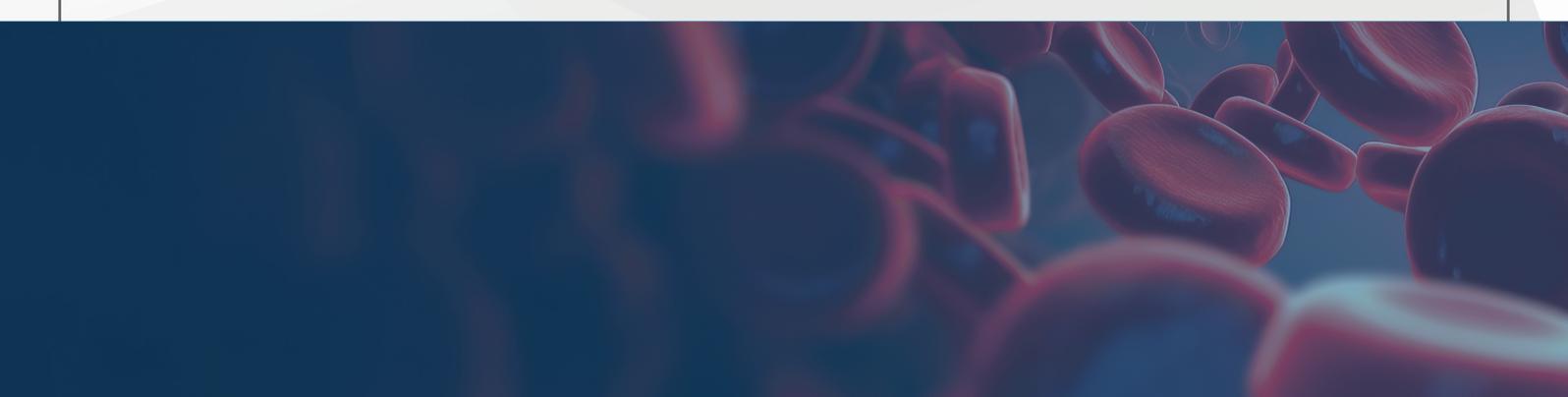
## User-friendly

- **High-resolution touch screen** with Intuitive interface for seamless operation
- Effortless recording of sample and quality control information, ensuring efficiency and accuracy
- **4 USB ports** enable easy connectivity with external devices, such as **Barcode Reader, Printer** or **LIS**
- **Advanced software** offering detailed and comprehensive quality control (QC) statistics for easy accreditation



## Cost-Efficient

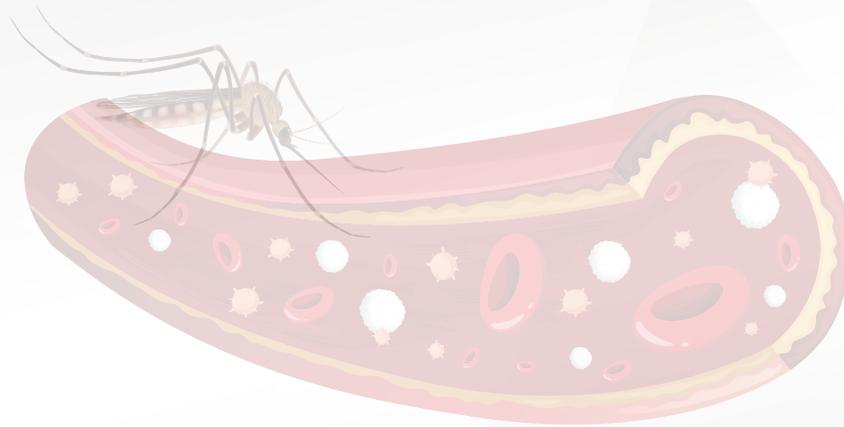
- Improved fluid system with **low reagent consumption**
- **2 Operational reagent system** convenient for small & medium size labs
- Smart RFID based Reagents Inventory:  
Monitoring of volume & onboard stability of reagents





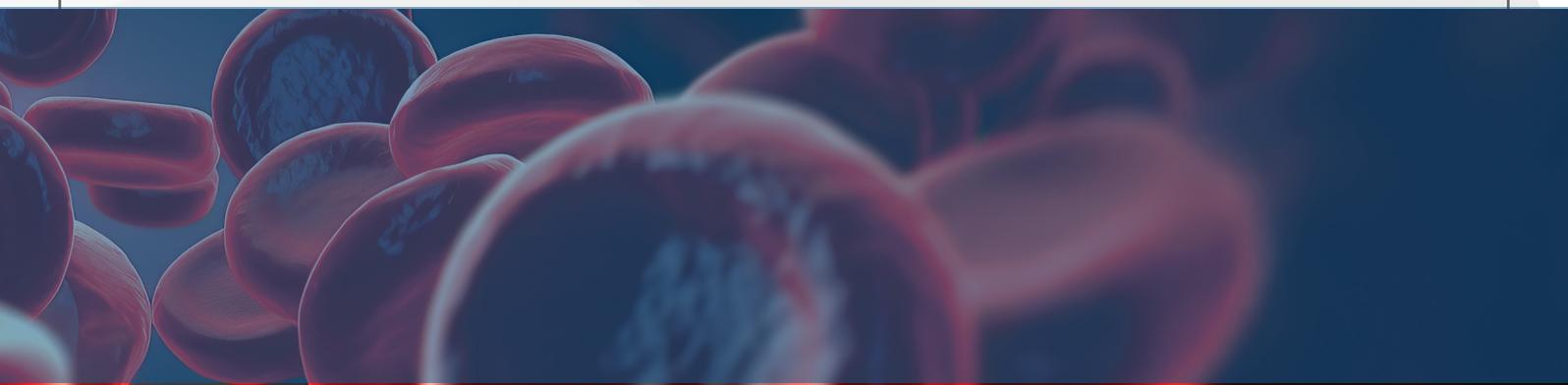
## Accurate & Robust

- Optimised algorithm developed to **minimize costs** while **maintaining accuracy**
- Optimized with Trivitron's reagents, guaranteeing accurate reporting and delivering the **highest quality results**
- Two routine reagents for sample analysis with up to 90 days of onboard stability and low reagent consumption, ensuring **cost-effective** results
- Maintenance free Celenium 21+ **maximizing operational uptime** and efficiency



## Additional Features

- Informative warning messages and **Pathological sample flags** ensure easy understanding and user-friendly operation
- Automated **self-cleaning procedures** significantly reduce daily maintenance, ensuring **hassle-free operation and improved efficiency**
- Comprehensive anemia screening: **RDW-SD, RDW-CV, and MCV** assist in identifying the underlying causes of **anemia**
- **PLCC/PLCR, PDW-SD, and PDW-CV** provide critical support for the **Dengue diagnosis** of cases with abnormal platelet counts



## Technical Specifications

### Parameters: 21 Parameters

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

### Histogram: 3 Histograms (WBC,RBC,PLT)

### Throughput: Upto 60 Samples per hour

### Principle of Operation:

RBC/PLT/WBC/Diff: Electrical Impedance  
HGB: Cyanide free colorimetry method  
Alarm for Abnormal erythrocytes, leukocyte and platelet

### Sample Volume:

Whole Blood 9 µl  
Pre-diluted mode 20 µl

### Counting Modes

Whole Blood mode  
Pre-diluted mode

### Display:

10.4" Color display screen with Touch screen facility

### Printer:

Built-in thermal printer 57 mm  
Support External Printer: HP Printer (Optional)

### User Interface:

4 USB ports: USB Keyboard/Mouse/USB Disk/USB Printer/  
Barcode Reader  
LIS Compatible  
Ethernet

### Data Storage:

500,000 sample results, including histogram and patient information

### Power:

Voltage Range: 100V~240V AC, 50/60Hz, ≤150V AC

### Operating Environment:

Temperature : 10°C - 35°C  
Relative Humidity: 20%~85%

### Dimension: 420 mm (L) x 295 mm (W) x 430 mm (H)

### Weight: ≤27.5kg

### Calibration:

Manual and Auto calibration  
CBC CAL PLUS (1x3 ml)

### Quality Control:

L-J graph, X- Bar analysis, X-Mean analysis  
CBC 3D (N,L,H) 3x3 ml

### Linearity Range:

Parameter	Linearity Range	Conventional Unit
RBC	0 - 8	10 <sup>6</sup> /µl
WBC	0 - 300	10 <sup>3</sup> /µl
PLT	0 - 4000	10 <sup>3</sup> /µl
HGB	0 - 28	g/dL
HCT	0 - 67	%

### Ordering Information:

Group	Product Code	Description	Pack Size
Instrument	DIG-58873	Cellenium 21 +	1 QTY
Reagent	30201002	Dilucel Plus	20 LTR
	30201005	Lycel Plus	500 ML
Probe Cleaner	30201175	Probecel DC	2x50 ML

## Marketed by:



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

IVD

corporate@trivitron.com | www.trivitron.com

Customer Care Helpline: +91 98400 80008

