CounCell™ PENTA 2.0



TECHNOLOGY for accurate analysis

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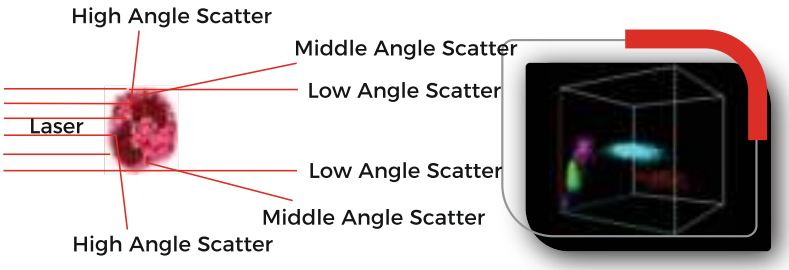


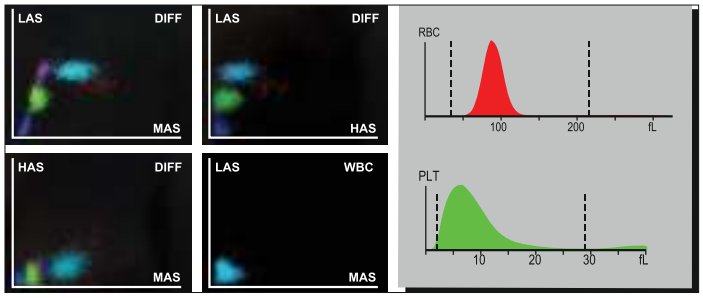
About CounCell

The name of the brand CounCell is derived from the counting of Whole Blood Cell. The brand support lab medicine fraternity by providing them with state of art technology hematology analyser in continuously evolving In-vitro Diagnostic market for reliable and accurate blood cell counting.

CORE TECHNOLOGY

- CounCell Penta 2.0 utilizes the proven & reliable core technology of laser flow cytometry to count & analyze cells.
- As cells are irradiated by the laser beam, the Tri-angle scattered light of the cell are analysed.
- The 3 signals used to differentiate & count cells with the help of unique digital technology & algorithm.





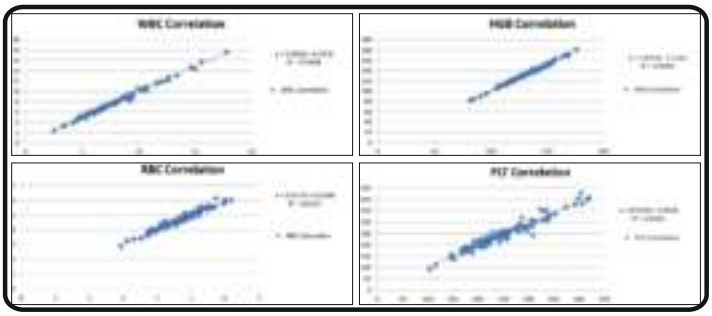
RESULTS

- With 36 Parameters, 4 Scattergrams & 2 histograms instrument gives output based on Tri-angle laser scatter and Electrical impedance method.

DEPENDABLE AND RELIABLE SOFTWARE

- Easy and comprehensive maintenance and system status monitoring.
- Smart prompt and one touch error resolving capabilities..



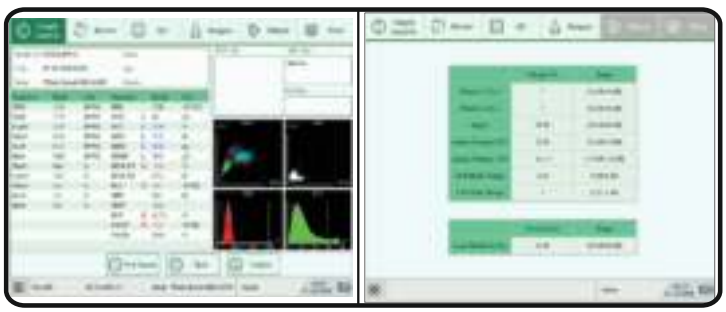


RELIABLE AND ACCURATE RESULTS

- Independent Basophil measurement.
- Alarm Flag for better diagnostics.
- Tri-level QC: L-J and X-B mode.
- Wider linearity range.

CUSTOMISED USER FRIENDLY SYSTEM

- Multiple analysis mode: VWB, Capillary and PD (with CBC and CBC + DIFF).
- 10.4 inch colour touch screen.
- Real time reagent management.
- Built in thermal printer.

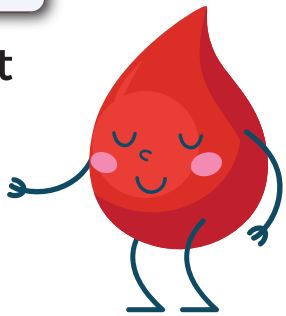


TECHNICAL SPECIFICATIONS

Principle	Flow Cytometry + Triangle laser scatter method for WBC and it's Differential counting. Electrical impedance method for RBC/PLT and Cyanide Free Colorimetric method for HGB.
Reportable Parameters	36 Parameters consisting of 8 RUO parameters: WBC, LYM%, MON%, NEU%, BAS%, EOS%, LYM#, MON#, NEU#, EOS#, BAS#, NLR, PLR, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, MPV, PDW-CV, PDW-SD, PCT, P-LCR, P-LCC, NRBC%, NRBC#, PLT CLUMPS,%#, PLT#, LIC%, LIC#, ALY%, ALY#. 4-Scattergrams 2-Histograms for RBC and PLT Alarm for abnormal erythrocytes, leukocytes and platelet.
Throughput	60 Samples per hour.
Reagent	3 Routine reagents: Diluent & LH Lyse & Diff Lyse
Sample Volume	20µL
Data Storage Capacity	Internal Memory can store 600,000 test values with parameters, Scattergram, Histograms and Patient information.
Quality Control	2 QC Method; L-J and X-B QC with appropriate QC charts.
Calibration	3 Types of Calibration, Manual Calibration, Auto Calibration with calibrators and Auto Calibration using fresh sample.
Power Requirement	100v-240 VAC ; 50/60Hz.
Operating Environment	Temperature: 10°C 30°C, Relative Humidity: 30% - 85%, Atmospheric pressure: 70kPa 106kPa.
Dimension	430 mm(L) X 350mm(W) X 450mm(H)
Weight	28kg

Parameters	Linearity	Repeatabilty
WBC	(0.0 - 300.0) X 10^9/L	< 2.0%
RBC	(0.0 - 8.0) X 10^{12}/L	< 1.5%
HGB	(0.0 - 25) g/dL	< 1.5%
PLT	(0 - 5000.0) X 10^9/L	< 4.0%

20µL ultralow sample requirement



For further information contact

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CP2/LT/05-21/VER-02