Pariksha Biotech
A game changer in IVD
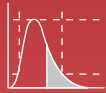
HIGH Q ®
Command on Quality

High Q CC5 Ultra

Dedicated 3-Part mode in 5 Part machine!
Unique RRBC feature!

Automated Hematology Analyzer
(5-Part + 3-Part All in One)

25-Parameters
4-Research Parameters
3-Histograms
3-Scattergrams

20ul Lower Sample Volume, Lower Reagent Consumption Only 2 Lyse & 1 Diluent Reagent System

Large 10.3" Touch Screen display with Powerful Linux based operating system

On display flags for abnormal results, Continuous reagents level detection system

Faster performance, 60 tests/hour with dual chambers

Larger memory of saving 50000 sample results with histograms

High-Q CC5 Ultra
5-part Differential Hematology Analyzer

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- **Principle:** Triangle laser flow cytometry for 5-part WBC Differentiation, Electrical Impedance method for WBC/RBC/PLT, Cyanide free calorimetry for Hgb measurement
- **parameters:** 25 Reportable Parameter WBC,LYM%,MON%,NEU%,EOS%,BASO%, LYM#,MON#, NEU#, EOS#,BASO#,RBC, HGB,HCT,MCV,MCH, MCHC, RDW-CV, RDW-SD, PLT,MPV,PDW, PCT, P-LCR, P-LCC
- **4-Research parameters:** ALY%, ALY#, IG%,IG#
- **Analysis Mode:** Whole blood & Prediluted Mode
- **Measurement Mode:** CBC+3 diff, CBC+5 diff, CBC+5 diff+RRBC
- **RRBC:** Resistant RBC, when the red blood cells can not be dissolved completely, the number of white blood cells will increase, and appears some situations of inaccurate results or unable to differentiate properly. TO solve the problems mentioned above, when the RRBC WARNING appears on WBC flag, we need to use RRBC mode to run the test. At that time the analyzer will automatically prolong the reaction time of hemolysis reagent to make them fully react, which can minimize the influence of insoluble red blood cells to white blood cells as much as possible. Specially found in the patients having Hematologic diseases, tumor chemotherapy, Jaundice, Hyperlipidemia, Some of Anemic and newborn etc blood samples.
- **Sample Volume:** 20ul in all Modes
- **Counting Chambers:** Dual Chambers WBC and RBC with additional diff bath chamber
- **Throughput:** 60 Samples/hour
- **Data Storage Capacity:** 50000 sample results with histograms
- **External Connectivity:** 4-USB & 1-LAN port support external printer and LIS/HL7 system support
- **Reagents with pack size:** Diluent 20L ,Lyse -5D IL, Lyse -5H 200ml, Probe Cleaner 100 ml for daily maintenance
- **Maintenance:** Various powerful cleaning procedures, Auto clog detection & removal system, Optional standby mode, Selectable automatic cleaning procedures, Automatic Error alerts and single touch option to remove it
- **Control & Calibration:** 3-level, LJ with manual a automatic calibration

Parameter	Linearity Range	Accuracy (CV)	Range of Accuracy
WBC	0.0-300^10⁹/L	≤2.0%	3.5x10⁹/L~15.0x10⁹/L
RBC	0.0-8.5^10¹²/L	≤1.5%	3.00x10¹²/L ~ 6.00x10¹²/L
HGB	0-25 g/dL	≤1.5%	10 g/dL ~ 18 g/dL
MCV	40-150 fL	≤1.0%	70 fL~120 fL
PLT	0-3000^10⁹/L	≤4.0%	150x10⁹/L ~ 500x10⁹/L

- **Power Requirement:** Standard AC 220V +22V , 50Hz, 200VA
- **Environmental Condition:** Room temperature, 15°C -35C
- **Relative Humidity:** 10% - 90%, Atmospheric Pressure: 70 kPa- 110 kpA
- **Weight:** Net- 28 Kg
- **Dimension (L X W X H):** 320 X 500 X 390 mm

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