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IND/INS/CQ5PLUS/01

Merilyzer
CelQuant 5 Plus™



A Stand Alone Hematology Analyzer

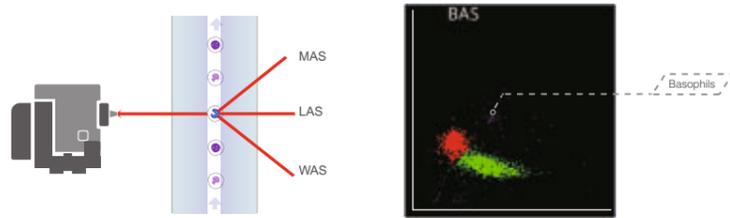
Multi angle laser Scattering



**SEMICONDUCTOR
LASER FLOW
CYTOMETRY**

#TESTING ZAROORI HAI

Advanced Principle



- Tri-angle laser scatter + flow cytometry+ cytochemical staining, achieving a betterment of 5-part WBC differentiation
- Basophils are counted by laser scatter that detects information about cell volume and cellular complexity & granularity



Unique Comprehensive Clinical Information

- 5-Part WBC differentiation (Total 25 parameters)
- 2 scattergrams, 2 histograms



Excellent Performance

- 60 Test/Hour
- Only 25µl sample volume for CBC + DIFF measurement

User-friendly Design

- Compact design
- High resolution 10.4 inch touch screen
- Multi-language operating interface
- Large storage capacity up to 200,000 samples
- Closed tube for STAT samples
- Rotate the tube automatically, avoid barcode scanning error
- Reagents could be stored in the instrument to save space



- After years of technological accumulation in Hematology analysis field, we develop an instrument named CelQuant 5 Plus which is reliable for your choice.
- CelQuant 5 Plus is a very compact 5 part DIFF instrument. Ensuring efficiency and accuracy, guaranteeing reliability and robustness, CelQuant 5 Plus becomes the indispensable hematology analyzer for your laboratory.

Technical Specifications

Parameter 25 reportable parameters: WBC, NEUT#, LYM#, MON#, EOS#, BASO#, NEUT%, LYM%, MON%, EOS%, BASO%, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, MPV, PDW, PCT, P-LCR, P-LCC
10 research parameters: Blast#, Blast%, ALM#, ALM%, IMM#, IMM%, Left#, Left%, NRBC#, NRBC%
2 scattergrams, 2 histograms

Flagging Discription	Leukopenia Leukocytosis Achromatocytosis Neutropenia Neutrophil increase Eosinophilia	Basophilia Monocyte increase Unequal RBC vol. Small cellular RBC Large cellular RBC Hypochromia	Abno. Hemoglobin Anemia Polycythemia Thrombocytopenia Thrombocytosis Prokaryotic	Immature cells Left shift of nucleus Abno. Lymphocyte NRBC/PLT agg.
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Test Principle Semiconductor laser flow Cytometry+Cytochemical staining for WBC differential
Cyanide-free colorimetry for hemoglobin test
Impedance method for RBC and PLT counting

Reagent Type Diluent & 3 types of lyse + Detergents

Throughput CBC+DIFF: 60 samples per hour

Sample Mode Whole blood mode
Micro-WB mode
Pre-dilute mode

Sampling type Manual or automated sampling with continuous loading

Data Storage Capacity At least 200,000 results

Data System Rj45 network interface, USB interface, Support bi-directional LIS
(LIS software is provided with the instrument)

Power Consumption 260VA

Dimension (D×W×H) 681mm×556mm×532mm, 48kg (with auto-loader)

Linearity (CV%) Highest Linearity among currently available 5PDA

Parameter	Linearity
WBC	(0~500.0)×10 ³ /µL
RBC	(0~8.00)×10 ⁶ /µL
HGB	(0~24) g/dL
PLT	(0~5000)×10 ³ /µL