

Meril

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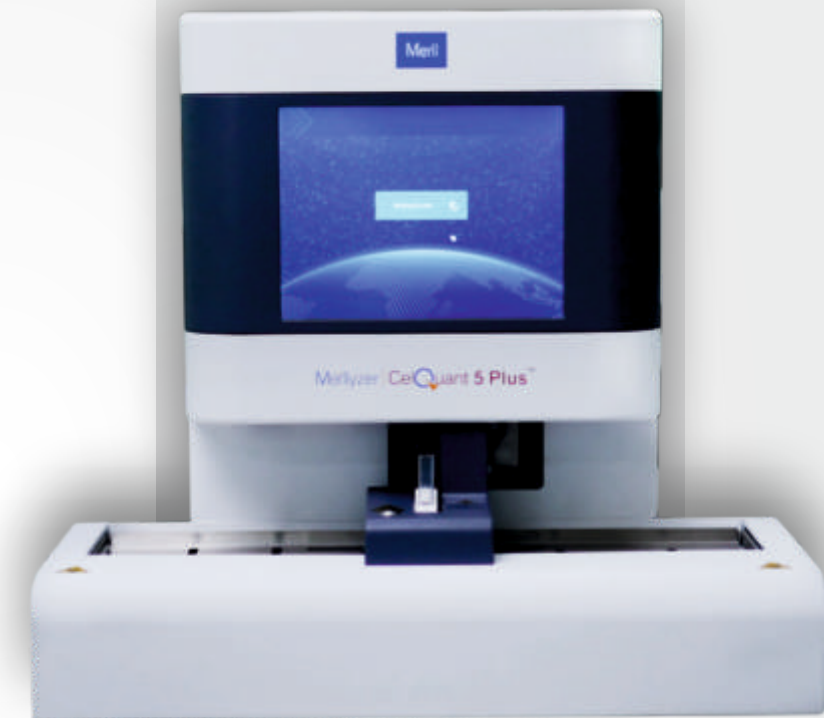
Merilyzer
CelQuant 5 PlusTM

Meril

Diagnostics

A Stand Alone Hematology Analyzer

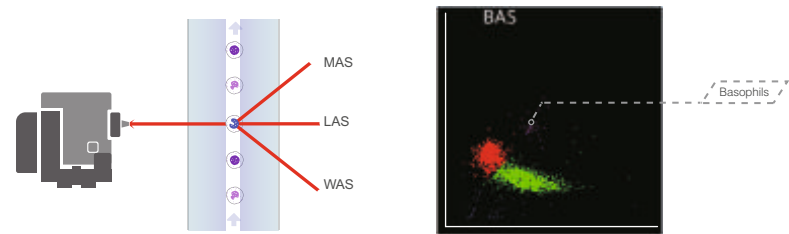
Multi angle laser Scattering



SEMICONDUCTOR
LASER FLOW
CYTOMETRY

#TESTING ZAROORI HAI

Advanced Principle

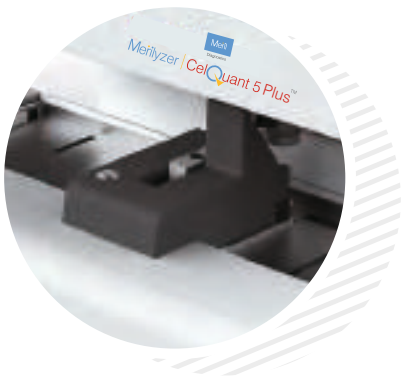


- Tri-angle laser scatter + flow cytometry+ cytochemical staining, achieving a betterment of 5-part WBC differentiation
- Basophils are counted by laser scatter that detects information about cell volume and cellular complexity & granularity



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	Basophilia	Abno. Hemoglobin	Immature cells
	Leukocytosis	Monocyte increase	Anemia	Left shift of nucleus
	Achrocytosis	Unequal RBC vol.	Polycythemia	Abno. Lymphocyte
	Neutropenia	Small cellular RBC	Thrombocytopenia	NRBC/PLT agg.
	Neutrophil increase	Large cellular RBC	Thrombocytosis	
	Eosinophilia	Hypochromia	Prokaryotic	

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