Smart-Flow Fluidic Patent Technology

The creative SMART-FLOW fluidic technology is a simple and efficient system, which makes FinoCount-5 with good reliability and free of maintenance.

Output Parameters-Fino-Count-5

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25 Basic parameters			
]¸nÄnz¸r¸QᴵÄ[¸nz¸r	Abbr.	Parameter Name	Abbr.
White blood cell count	WBC	Mean Corpuscular Volume	MCV
Neutrophils percentage	Neu%	Mean Corpuscular Hemoglobin	MCH
Lymphocytes percentage	Lym%	Mean Corpuscular Hemoglobin Conce	MCHC
Monosytes percentage	Mon%	Red blood cell distribution width coeff	RDW-CV
Eosinophils percentage	Eos%	Red blood cell distribution width stand	RDW-SD
Basophils percentage	Bas%	Hematocrit	HCT
Neutrophils number	Neu#	Platelet count	PLT
Lymphocytes number	Lym#	Mean platelet volume	MPV
Monosytes number	Mon#	Platelet distribution width	PDW
Eosinophils number	Eos#	Plateletcrit	PCT
Basophils number	Bas#	Large platelet count	P-LCC
Red blood cell	RBC	Large platelet percentage	P-LCR
Hemoglobin Concentration	HGB		

4 Research parameters

]¸nÄnz¸r¸QᴵÄ[¸nz¸r	Abbr.
No{¸|ᴵÄ¸nᵧÝáz¸}u|¸páQ¸Å¸}r¸Äᴾr¸{¸Qnt¸r	ALY%(RUO)
Large Immature Cells	LIC%(RUO)
Abnormal Lymphocytes Numbers	ALY#(RUO)
Large Immature Cells	LIC#(RUO)

4 Charts

Sᴾᵤᴅᴾ¸hᵥᴵᴺᵤ¸Qᴅᴾ¸h	Abbr.
White blood cell histogram	WBC Histogram
Red Blood cell histogram	RBC Histogram
Platelet Histogram	PLT Histogram
Differential Scattergram	Diff Scattergram
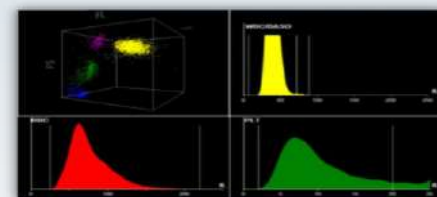
Minimum Maintenance

- Only require for weekly and annually based maintenance, which is also an extremely simple and cost effective maintenance list.

- Might be the lowest operation cost as well as maintenance difficulty for distributors.

Ingenious Internal Structure

- Life time tubing - Do not have to be touched ever
- Modular design - Lower maintenance difficulty
- There is no high- Voltage anywhere in the system
- Liquids are separated from electronics
- Valves are easy to reach

Technical Specification

Principles

Tri-angle Laser scatter | Flow Cytometry method | 3D Scattergram analysis | Impedance method for RBC and PLT counting | Cyanide free reagent for HGB test

Parameters

25 Reportable parameters:
WBC, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-SD, RDW-CV, PLT, MPV, PCT, PDW, P-LCR, P-LCC, NEU%, LYM%, MON%, EOS%, BAS%, NEU#, LYM#, MON#, EOS#, BAS#

1 3D Scattergram
3 Histograms(WBC/BASO, RBC, PLT)

4 Research parameter:
ALY%, ALY#, LIC%, LIC#

Test Mode

- CBC mode, CBC+DIFF mode
- Venous whole blood,Capillary whole blood and Prediluted

Throughput

60 tests/hour

Performance

Parameter	Linearity Range	Carry Over	CV
WBC	0-300x10⁹/L	≤0.5%	≤2.0%
RBC	0-8x10¹²/L	≤0.5%	≤1.5%
HGB	0-250g/L	≤0.5%	≤1.5%
PLT	0-3000 x10⁹/L	≤1.0%	≤4.0%

Sample Volume

CBC+DIFF mode : ≤20ul
CBC mode : ≤10ul

Data Memory

Up to 100,000 results(including histogram scarttergram,patient information)

Display

14 inch touch screen,resolution 1366*768

Interface

1 LAN port, 4 USB ports

Communication

Bi-direction LIS, support HL7 protocol
Internal RFID reader

Printout

Support various external USB printers, printout formats user definable

Size/Weight

L * W * H = 480*375*517(mm)
Weight: 36kg

Power Requirement

a.c.100-240V,50/60Hz

Working Environment

- Temperature:10-30℃
- Humidity: 20% – 85%
- Air pressure: 70~106kPa
- Working latitude: ≤3500m

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Scan

FINOVA ®
HEALTHCARE PVT. LTD.

FinoCount-5
Auto 5 - Part Hematology Analyzer

FinoCount-5

FINOVA HEALTHCARE PVT. LTD.

Powered By Innovation,
Delivered In Budget

FinoCount-5
Ingenuity for 5-part

FinoCount-5, the new line of 5-part hematology analyzer, is developed by institutive technology, where ingenuity meets advancement. With the innovative technology, simple operations, fewer reagents, intelligent fluidic system design and better performance, all in a smaller more affordable package that will fit any clinician budget and space.

Principle

Tri-angle laser scatter + flow Cytometry + impedance method for WBC.

The 5 part differentiation of the white blood cell can be precisely done by collecting the optical signal when WBC pass through the laser beam.

The front small-angle optical signal can reflect the information of the cell size.

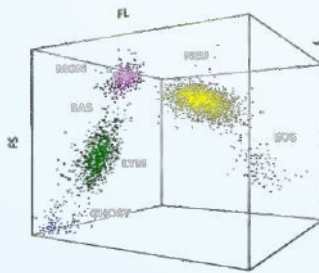The front large-angle optical signal can reflect the information of nucleus' structure and complexity.

The side angle optical signal can reflect the information of granularity complexity.
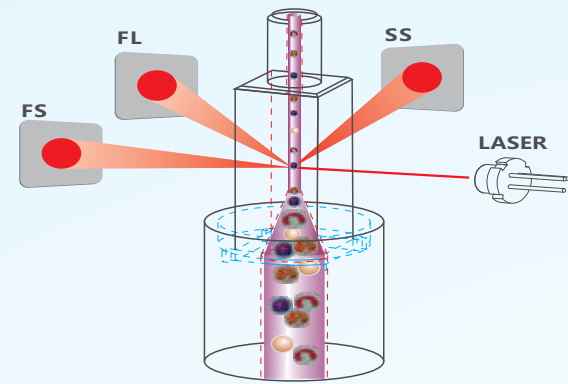
Flow Cytometry By Laser

3D Scattergram

·**Rotatable:** Conveniently to see accurate WBC 5-part differential information from any angles.

Dual Methods For BASO Measurement

The first innovative analyzer combined the optical method of BASO(BASO-O) and impedance method of BASO(BASO-I) together,it brings more reliable more and stablemeasurement of BASO pathologic samples and minimized the analysis failure
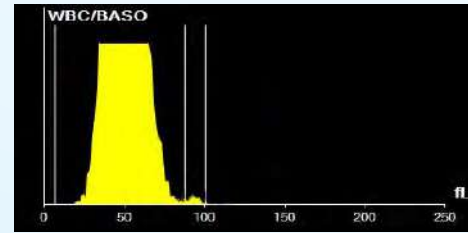
Dual methods for BASO measurement

Combined optical and Impedance methods, improved the accuracy and stability of BASO measurement,especially for pathologic samples, minimized the analysis failure

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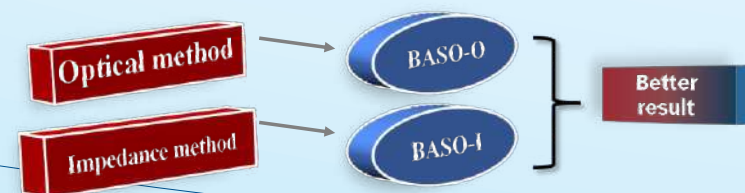
Compact Size, Powerful Functions

Compact design with reagents on board the valuable bench space of small labs.

Support most of the printers

LAN port, 4 USB ports

◆ User Friendly Software

- One menu for most of the daily operations
- Single click for troubleshooting
- Flags of abnormal results information

Sample & Patient Information
Test Results **Shortcut Menus** **Graphic Information**

- 14-inch, High Resolution:1366
- Capacitve Touch screen, Support With Glove

Flags info
Status Info

◆ Low Reagents Consumption

- **Low reagents consumption**
  035ml Lyse/test, 21.5ml Diluent/test
  Approximately 50% less reagent consumption
  Higher efficiency on diluent

- **Probe cleanser consumption**
  1.5ml daily

3 Reagents for FinoCount-5

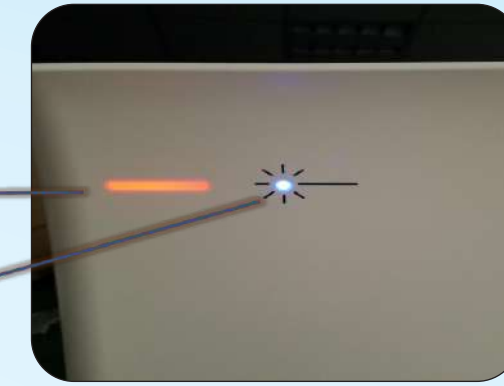| Reagent	Volume
W-61D Diluent	20L
W-61LD Lyse	500 ml
W-61LH Lyse	500 ml
W-5P Probe Cleanser	50 ml

◆ User-Oriented, Humanized Design

- Classic, impressive appearance design
- Real-time alerts, one click to remove error

Instrument Status

Laser Status

◆ Smart shutdown system design Intelligent Switch

- **Auto switch off** (power disconnected) after performing cleaning procedures, **no need waiting to switch off manually**

◆ True optical system

Solid and Advanced Technology