

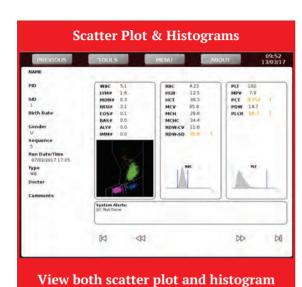
28 Parameters

5 Part Differential Hematology Analys

Parameters: WBC, Ly%, Mono%, Neu%, Eos%, Baso %, ALY%, IMM%, Ly#, Mono#, Neu#, Eos#, Baso#, ALY#, IMM#, RBC, Hb, HCT, MCV, MCH, MCHC, RDW-SD, RDW-CV, PLT, MPV, PDW, PCT, P-LCR

Histogram: For RBC, PLT **Scatterplot**: : For WBC

Precision				
Measurement	Ranges Tested	Repeatability Limits Whole blood (%CV)		
WBC (10 ³ /μL)	>6.0	< 2.5		
RBC (10 ⁶ /μL)	>3.5	< 2.0		
HGB (g/dL)	>11	< 1.5		
MCV (fL)	>80	< 1.0		
HCT (%)	>35	< 2.0		
RDW-CV	>12	< 4.0		
RDW-SD	>40	< 4.0		
PLT(10 ³ /μL)	>200	<5.0		
MPV (fL)	>8	<3.0		
Lymphocyte (%)	>15	< 5.0		
Monocyte (%)	>5.0	< 10		
Neutrophil (%)	>40	< 3.0		
Eosinophil (%)	>5.0	< 10		
Basophil (%)	>1.0	< 40		



on single window

Li	nearity &	Operating Range		
Measurement	Units*	Measuring Range	Limit	Operating Range
WBC	$10^3/\mu L$	0.2 - 100	± 0,4 or ± 4%	0-150
RBC	$10^6/\mu L$	0.02 - 8.0	± 0.05 or ± 3%	0-15
HGB	g/dL	0.2 - 24	± 0.2 or ± 2%	0-25
HCT	%	5 – 70	± 2 or ± 3%	0-80
MCV	fL	50-150	±2.5 or ±3.0%	50 - 150
PLT	$10^3/\mu L$	10 – 2000	± 10 or ± 10%	0 - 4000
RDW-CV	%	10 - 40	± 1.5 or ± 10%	0 - 70
RDW-SD	fL	15 – 150	± 6.5 or ± 10%	0 - 220
MPV	fL	5 – 25	± 1 or ± 10%	0 – 25
MCH	pg	N/A	N/A	0 – 99.9
MCHC	g/dL	N/A	N/A	0 – 99.9
PCT	%	N/A	N/A	0 – 9.999
PDW	%	N/A	N/A	0 – 99.9
PLCR	%	N/A	N/A	0 - 100
LYM, MONO, NEU, EOS, BASO, ALY, IMM #	$10^3/\mu L$	0-100	N/A	0-150
LYM, MONO, NEU, EOS, BASO, ALY, IMM %	$10^3/\mu L$	0-100	N/A	0-100

REVOLUTION IN HEMATOLOGY

Technical Specifications

◆ Enhanced Electrical Imp	pedance for Cell counting	
◆ Non-Cyanide method fo	or haemoglobin	
◆ LED based Flow cytome	try for Differential	
Sample Volume	Whole blood 15.6 μL and pre-diluted 20 μL	
Throughput	60 Samples / Hour	
Mode	Open Vial	
Sampling modes	Whole blood & Pre-diluted	
Counting Modes	Differential, CBC + Differential	
Storage Capacity	35,000 results memory with Scatter Plot	
Physical Characteristics		
Screen	8.4-inch LCD touch screen	
Dimensions	405 x 270 x 430 mm (H x W x D)	
Weight	12 kg	
Input Power	100 to 240 VAC, 50 to 60 Hz	
Output	24V - 6.25 A	
Power Consumption	160 W	
Working temperature	18°C to 32°C	
Relative Humidity	80% max. at 32°C	
Flagging		
Pathologic flags		
Reagent alerts		
Instrument alerts		
Interface		
Connectivity	5 USB ports, Ethernet - RJ45, RS232	
Barcode Connectivity	Yes (Hand held barcode reader)	
External Printer	Yes	
Reagents		
D5: Mispa Count Plus	Diluting the blood	
L5: Mispa Count Plus	Lysing	
C5: Mispa Count Plus	Aperture cleaning and wetting	
P5: Mispa Count Plus	Cleaning the probe	





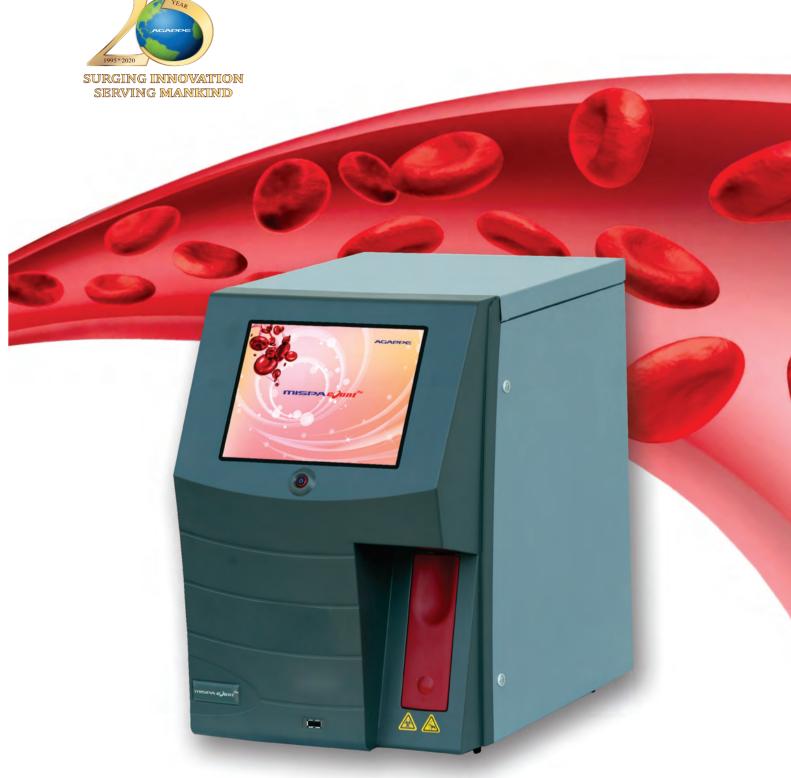
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YOUR BEST PARTNER IN DIAGNOSTICS





CELEBRATING 🔭



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Mispa Count Plus, an Intelligent Open-vial 5-part Differential Hematology System.

Mispa Count Plus Haematology system increases the laboratory efficiency through its compact design, intuitive operation and fast analysis. Designed with perfection the microfluidic technology improves the performance of the analyser and provides the best fit for any laboratory environment.

Agappe's Mispa Count Plus haematology system establishes a new standard in blood count analysis providing remarkable laboratory savings in space, time and operating costs.

PERFORMANCE AT ITS BEST

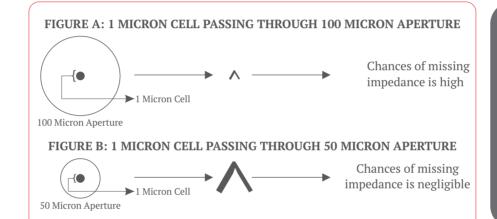
- LED based Flow Cytometry & Triple Counting Technology Which Offers Accurate and Precise results
- 5Part Differential Analyser with 3 Histogram and Scatter Plot for WBC
- 2D Differential Scatter Plot (Diff Scatter Plot) for 5 Part Differentials
- 28 Test Parameters
- Efficient System with throughput of 60 Samples / Hr
- Low cost of operation and improved laboratory efficiency with Cyanide Free Reagent.
- Quality results from as little as 15.6 μL of sample & pre diluted $20\,\mu L$
- Patient Memory up to 35000 Samples

RBC WBC CHAMBER CHAMBER

Mispa Count Plus is designed with optimized aperture size which offers better count of RBC and WBC using the principle of electrical impedance.

HIGH QUALITY RESULTS IN A COMPACT DESIGN Axial Light Loss Blood Flow Counter Volume Impedance

Mispa Count 5 Part differential is based on innovative LBFC (Led-based Flow Cytometry) Technology, which provide accurate and precise count



80 micron aperture for WBC and 50 micron aperture for RBC/PLTs for better electrical impedance of cells and hence better counting and differentiation

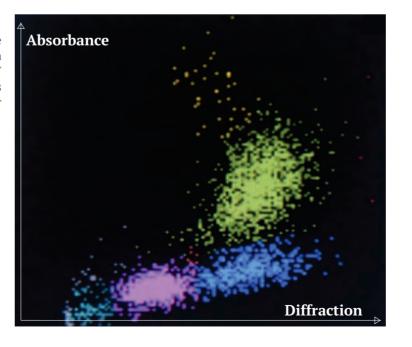
TRIPLE COUNT TECHNOLOGY:

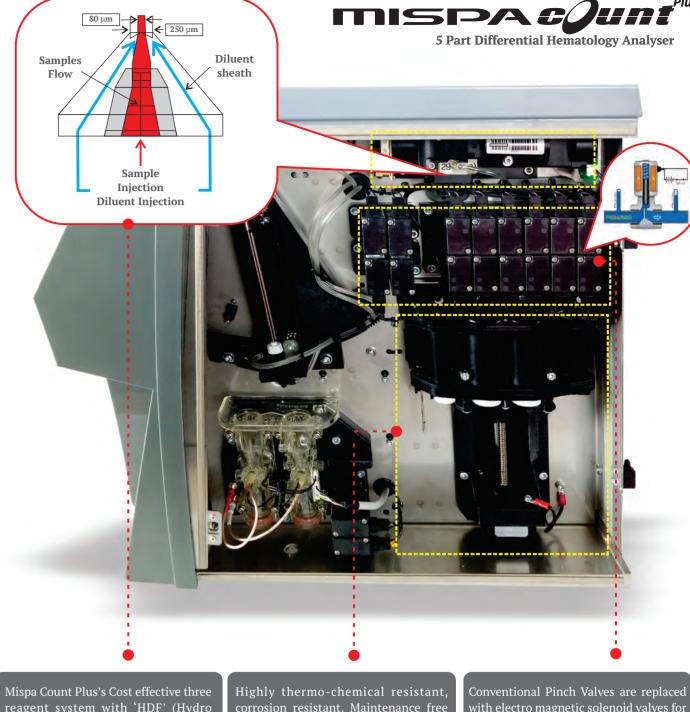
WBC is counted two times using electrical impedance and the value is checked with the count by flowcytometric method to give accurate test results.

WBC SCATTERED PLOT

WBC 5 differential absolute values and percentages are obtained by optic measurement. The measured pulses on the two optical channels are displayed on DIF plot ALL (Y Axis) and FSC (X Axis). Each dot on the DIF plot represents the height in Axial Light Loss (ALL) and Forward Scatter (FS) of each pulse.







Mispa Count Plus's Cost effective three reagent system with 'HDF' (Hydro Dynamic Focusing) ensures precise and accurate results.

Highly thermo-chemical resistant, corrosion resistant, Maintenance free and very low coefficients of friction make syringe highly durable.

Conventional Pinch Valves are replaced with electro magnetic solenoid valves for better durability and offers uninterrupted performance.

FLOW CYTOMETRY

QUADRA PTFE SYRINGES

ELECTROMAGNETIC SOLENOID VALVES

ACCURATE CELL COUNTING ENSURED

RIGHT FIT FOR YOUR LABORATORY