

Parameters : WBC, LY%, LY#, MID%, MID#, GRAN%, GRAN#, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, MPV, PDW, PCT, P-LCR

Histogram : WBC, RBC, PLT

Linearity			
Parameter	Units	Range	Limit
WBC	10 ³ /μL	0.3 - 100	± 0.4 or ± 4%
RBC	10 ⁶ /μL	0.05 - 8	± 0.07 or ± 3%
HGB	g/dL	0.3- 24	± 0.3 or ± 2%
HCT	%	5 - 70	± 2 or ± 3%
PLT	10 ³ /μL	5 - 2000	± 10 or ± 5%
Background Count: Maximum background counts during STARTUP cycle			
Parameter	Background Concentration Limits		
WBC	< 0.3 (10 ³ /μL)		
RBC	< 0.1 (10 ⁶ /μL)		
HGB	<0.3 g/dL		
PLT	< 10 (10 ³ /μL)		

Precision	
Measurement	%CV
WBC (K/μL)	< 2.5%
LYM %	< 5%
MID %	< 10%
GRA %	< 3%
RBC (M/μL)	< 2.0%
HGB (g/dL)	< 1.5%
MCV (fL)	<1%
HCT (%)	< 2.0%
RDW CV (%)	< 4%
RDW SD	< 4%
PLT (K/μL)	< 5%
MPV (fL)	< 3%

Technical Specifications

Technology & Principle	
Enhanced Electrical Impedance for blood cells Non cyanide hemoglobin detection method	
Sample volume	10 μl
Throughput	≈ 60 Samples/Hour
Mode	Open vial
Aspiration modes	Whole blood, Pre-diluted blood (20 μl sample for dilution)
Memory	35000 results with histogram
Physical Characteristics	
Screen	8.4 inch LCD Touch screen
Dimensions (mm)	405 H x 270 W x 430 D
Weight (kg)	12 (approx.)
Input Power	100 to 240 VAC 50 to 60 Hz
Output	24V – 6.25 A
Working temperature	18°C to 32°C
Relative humidity	80% max. at 32°C
Interface	
Keyboard (optional)	Standard USB QWERTY
External Printer	EPSON M100
External BCR	Standard USB
Reagents	
D3: Mispa Count Diluent	1 x 20 L
L3: Mispa Count Lyse	2 x 500 ML
C3: Mispa Count Cleaner	2 x 1000 ML



ISO 9001:2015
EN ISO 13485:2016



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YOUR BEST PARTNER IN DIAGNOSTICS

A NEW ERA IN CELL COUNTING

MISPAcount

3 Part+ Hematology Analyser

YOUR BEST PARTNER IN DIAGNOSTICS

Product Description

Mispa count is a revolutionary 3 part + hematology analyser which offers advanced technology solutions to meet the laboratory quality needs. Mispa Count comes with German Technology, having benefits of an entry level 5 part analyser with smaller aperture size for better electrical impedance to get high quality results.

ENHANCED PRODUCTIVITY, QUALITY & RELIABILITY



Smaller aperture size for better result

Double count of cells

Different flags for better diagnosis

Touch screen for easy operation

20 parameters and 3 histograms

60 samples / hour

Sturdy hardware for better durability

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

Figure A: 1 micron cell passing through 100 micron aperture



Figure B: 1 micron cell passing through 50 micron aperture



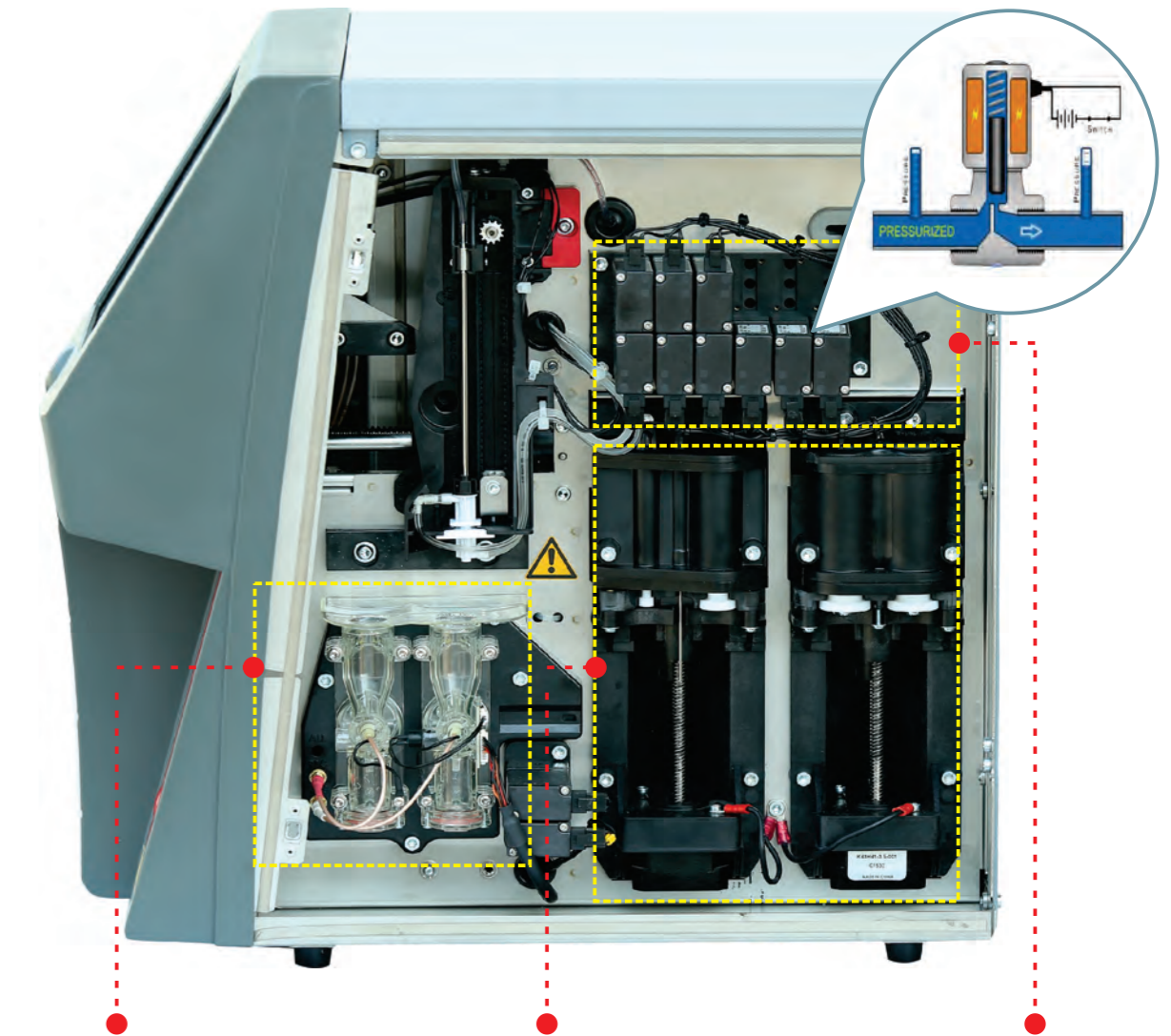
Double count of cells: Machine will give "Rejection Alarm" if variation between two count is more than 5%.

Sample	Count 1	Count 2	% difference
Sample 1	100	98	2% (Will accept results)
Sample 2	200	184	8% (Rejection alarm)

Flags



- P1 for Platelet debris
- P2 for Schizocytes
- P3 for Probable presence of Microcytes
- L1 for probable lyse resistant RBCs or insufficient lysing
- L2 for probable Monocytosis
- L3 for probable Eosinophilia
- L5 for probable large immature cells (LIC)
- R1 for Iron Deficiency anemia
- R2 for Vitamin B12 deficiency anemia.



Ruby apertures ensure high durability of the apertures and quality of the result as well.

Dual Chamber

Highly thermo-chemical resistant, corrosion resistant, Maintenance free and very low coefficients of friction make syringe highly durable. No stick-slip effect to ensure better sample aspiration and dispensing of reagents.

Quadra PTFE Syringes

Conventional Pinch Valves are replaced with electro magnetic solenoid valves for better durability.

Electromagnetic Solenoid Valves

NOT JUST A 3 PART ANALYSER, IT'S 3 PART +

GERMAN TECHNOLOGY

