

## Specifications

Technology & Principle	
Enhanced Electrical Impedance for blood cells	
Non cyanide hemoglobin detection method	
Sample volume	10 $\mu$ l
Throughput	$\approx$ 60 Samples/Hour
Mode	Open vial
Parameters	
WBC, LY%, LY#, MO%, MO#, GRAN%, GRAN#, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, MPV, PDW, PCT, P-LCR	
Physical Characteristics	
Screen	8.4 inch LCD Touch screen
Dimensions (mm)	405hx270wx430d
Weight (kg)	12 (approx.)
Input Power	100 to 240 VAC 50 to 60 Hz
Output	24V – 6.25 A
Working temperature	18 to 32°C
Relative humidity	80% max. at 32°C
Interface	
Mouse (optional)	Standard USB
Keyboard (optional)	Standard USB «QWERTY
External Printer	B&W or color laser printer
External BCR	Standard USB



## About Agappe

We are one of the rapidly expanding and leading diagnostic Company with a formidable Domestic and International presence for the entire range of Reagents and Equipment. Our Reagent range includes Biochemistry Kits, Serology Kits, ImmunoTurbidimetry Kits, Specialized Kits, Coagulation Reagents, Hematology Reagents and System Reagents for Fully Automated Clinical Chemistry Analyzers. We are an ISO 9001- 2008 and ISO 13485:2003 certified Company. We conform to GMP standards and have an FDA approved most modern manufacturing facility. We have been successful in obtaining CE Marking as well for all our equipment.

We have formed a wholly owned Subsidiary Company in Switzerland called **Agappe Diagnostics Switzerland GmbH** to cater to the needs of the world market effectively. We are the sole distributors of companies such as **Toshiba Medical Systems Corporation** (Japan), **Mindray**(China), **I-Sens** (Korea) and many other giants in the diagnostic industry.



# AGAPPE

# Not just a 3 Part Analyzer

# It's 3 Part



# MISPAcount

## 3 Part + Hematology Analyzer



**PT. MULTIMEDILAB KARYAMANDIRI**  
MEDICAL & LABORATORY EQUIPMENTS

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**AGAPPE**  
AGAPPE DIAGNOSTICS LTD.

Company reserves the right to change any design and technical features of the product at any time, if needed.

## 80 micron aperture for WBC and 50 micron aperture for RBC/PLTs

For better impedance of cells and hence better counting and differentiation

Figure A: 1 micron cell passing through 100 micron aperture

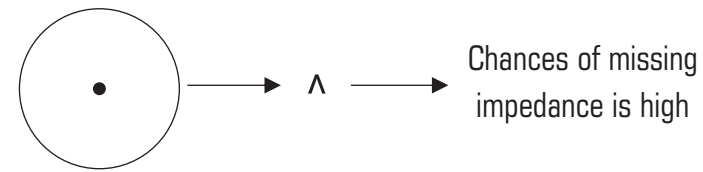


Figure B: 1 micron cell passing through 50 micron aperture

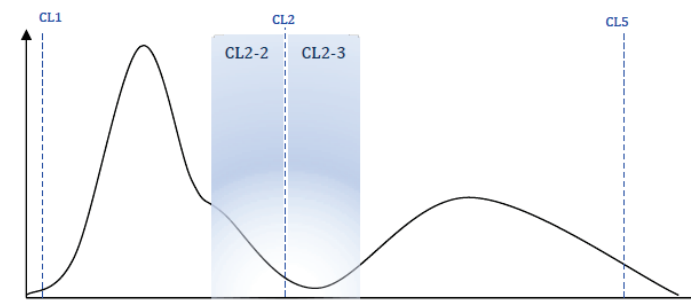
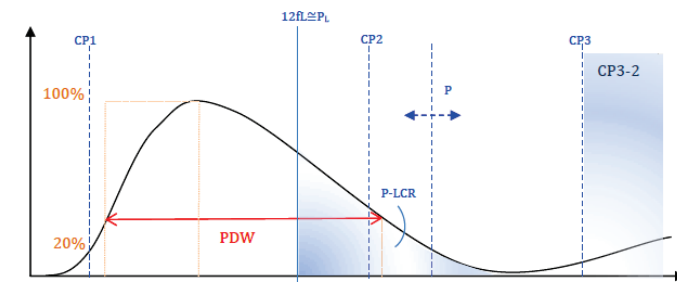


## 5 Discriminators in platelet histogram

for better identification of Small interfering particles, schizocytes and Microcytic RBCs

### PLTs flags

- P1 for probable platelets debris
- P2 for probable presence of schizocytes
- P3 for probable presence of Microcytes



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## 5 thresholds in WBC histogram

for better discrimination of WBCs and better idea of presence of large immature cells and identifying probable interference of Nucleated RBCs

### WBC flags:

- L1 for probable lyse resistant RBCs or insufficient lysing
- L2 for probable Monocytosis
- L3 for probable Eosinophilia
- L5 for probable large immature cells (LIC)

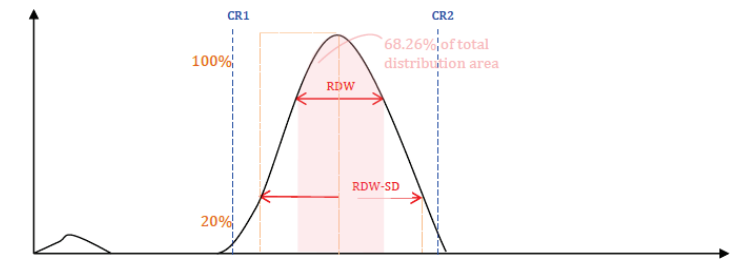
## RBC flags

### R1 for Microcytes

(helps in determination of Iron Deficiency Anemia)

### R2 for Macrocytes

(helps in determination of Vitamin B 12 Deficiency Anemia)



## Double count of cells

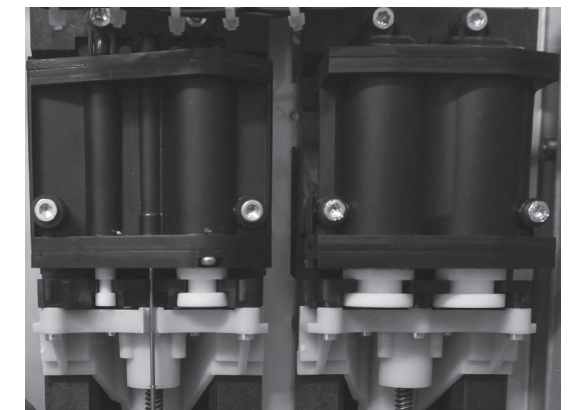
Machine will give "Rejection Alarm" if variation is more than 5%

Sample	Count 1	Count 2	& Difference
Sample 1	100	98	2 % (will accept results)
Sample 2	200	184	8 % (Rejection Alarm)

## Quadra PTFE syringes

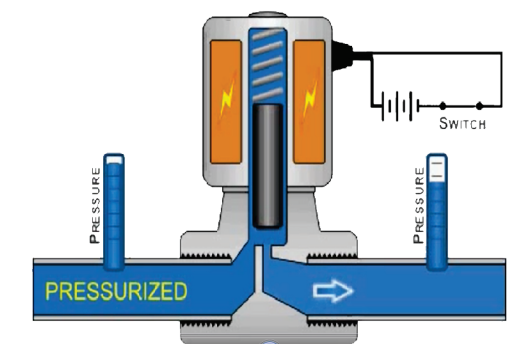
Highly thermo-chemical resistant, corrosion resistant, Maintenance free and very low coefficients of friction make syringe highly durable.

No stick-slip effect to ensure better sample aspiration and dispensing of reagents



## Electromagnetic solenoid valves

for better pressure control and flow



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