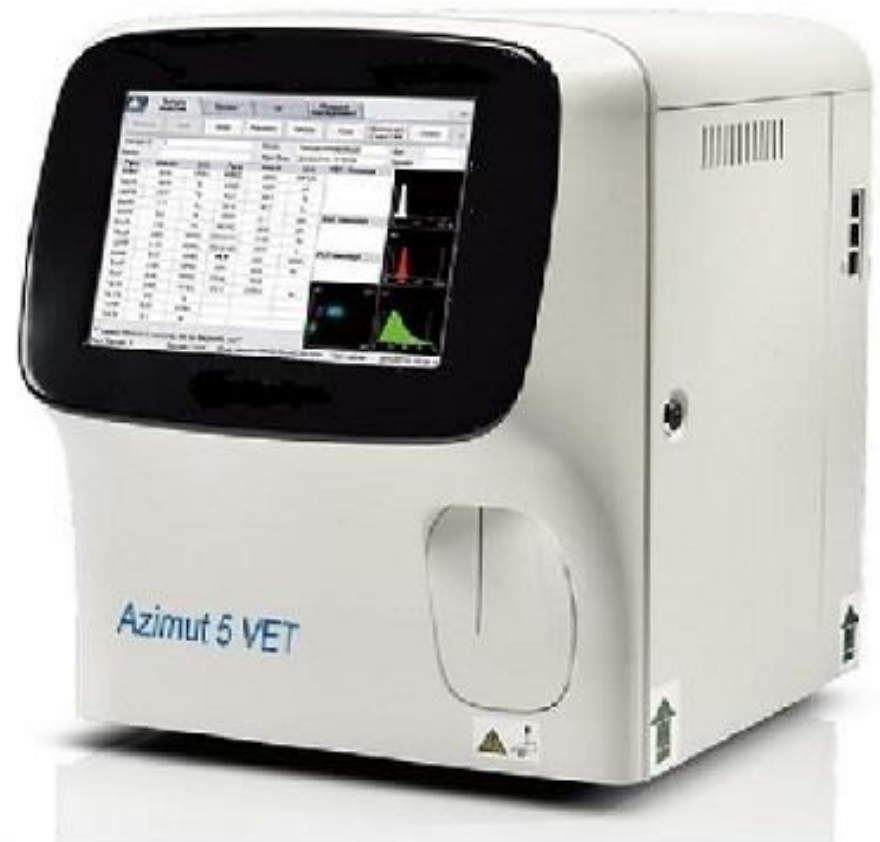
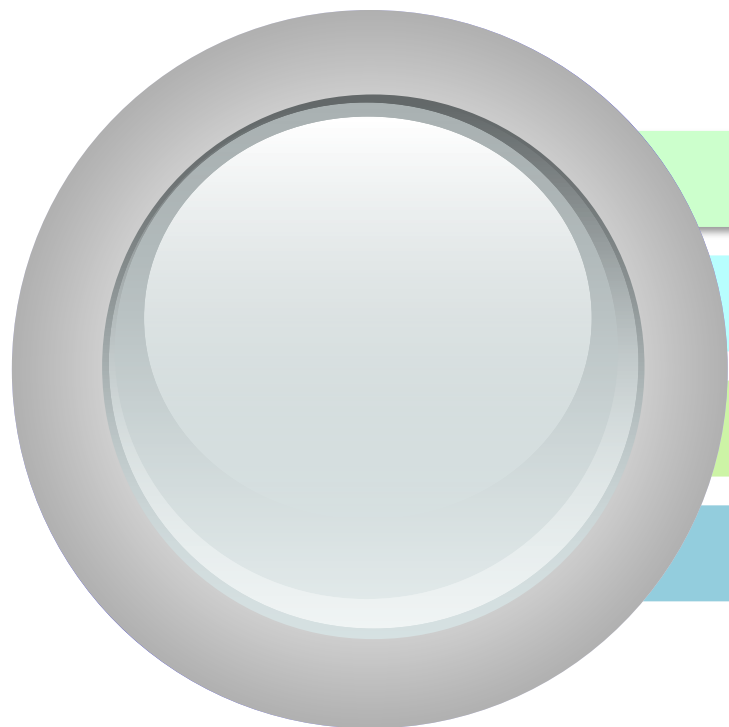


# Azimut 5 VET Introduzione

## Azimut 5 VET





**1 Breve Introduzione**

**2 Caratteristiche**

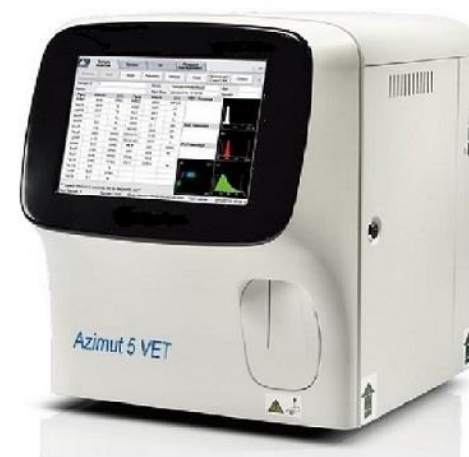
**3 Performance**

**4 Q & A**

# Azimut 5 VET

- ◆ Scatter laser + Colorante chimico + Citometria a flusso
- ◆ 5-part differenziate, **23** parametri
- ◆ Fino a 60 campioni l'ora
- ◆ Canale indipendente per la misurazione dei Basofili
- ◆ **10,4 pollici TFT touch screen ad alta risoluzione**
- ◆ Potente capacità di bandire cellule anormali
- ◆ Capacità di memorizzazione fino a 50.000 campioni esaminati
- ◆ Software dedicato Test Multi-animale , come ad esempio il cane, gatto e coniglio ecc
- ◆ Stampante esterna

## Azimut 5 VET



# 1. User friendly operation

➤ **Easy operation.**

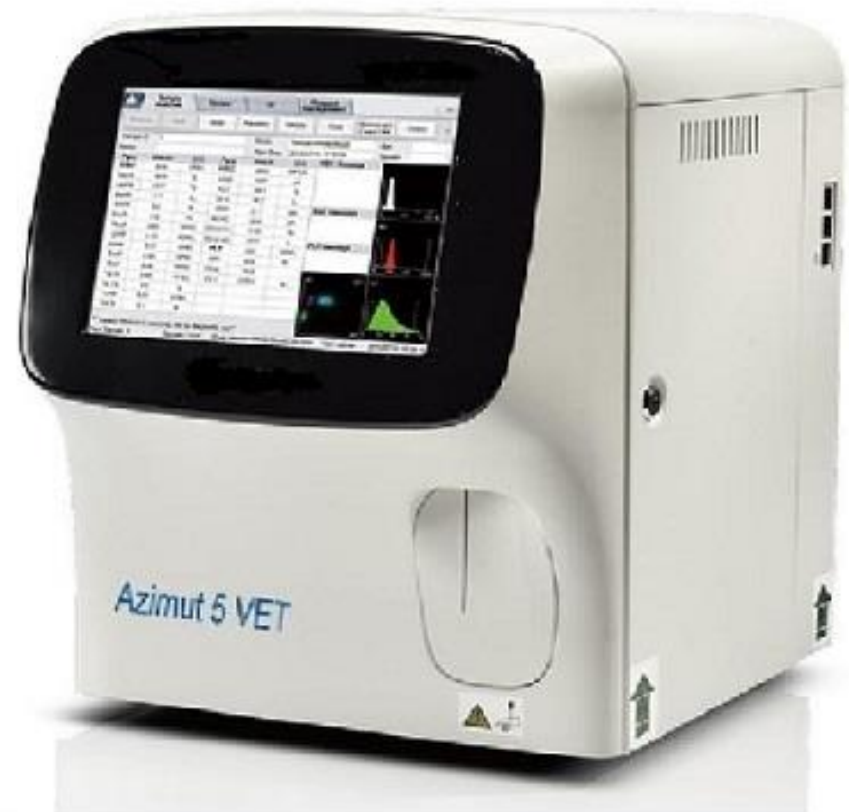


## 2.High performance

- Fast Turn-Around-Time (TAT)

Throughput: **60** samples / hr

# Azimut 5 VET



# 3.Low blood consumption

<i>Mode</i>	<i>Venous blood</i>	<i>Prediluted</i>
<i>Blood consumption</i>	15 $\mu\text{L}$	20 $\mu\text{L}$



## 4. Various test modes

- ❑ Venous Blood CBC+DIFF
- ❑ Venous Blood CBC
- ❑ Prediluted CBC+DIFF
- ❑ Prediluted CBC

## 5. Powerful parameters

RBC  
MCV  
HCT  
RDW-SD  
RDW-CV  
HGB  
MCH  
MCHC

**8**

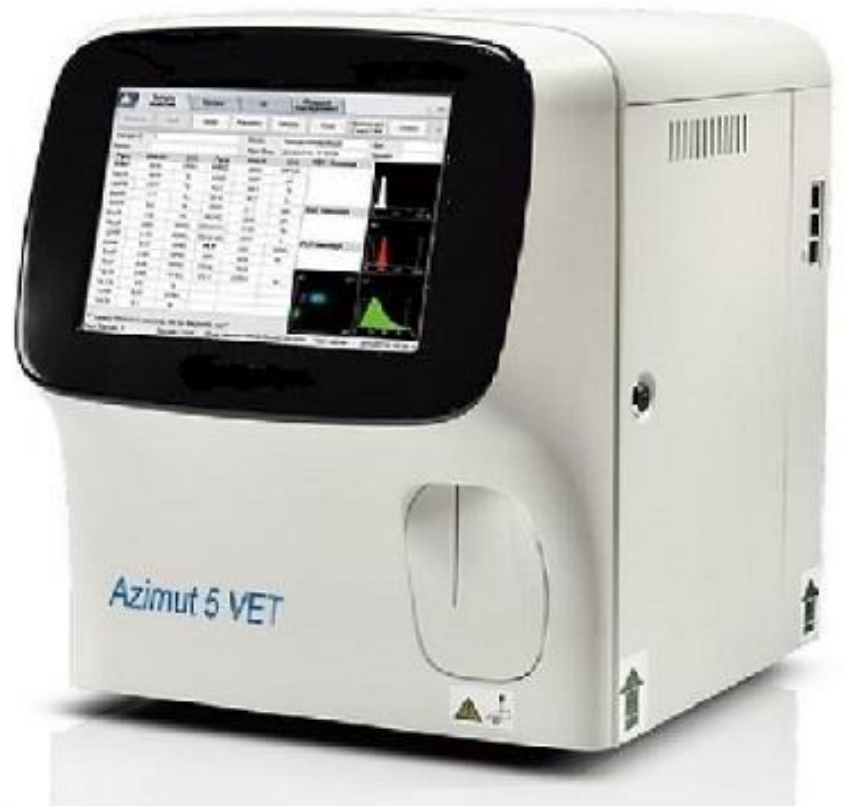
PLT  
MPV  
PCT  
PDW

**4**

WBC  
LYM#  
LYM%  
MON#  
MON%  
NEU#  
NEU%  
EOS#  
EOS%  
BAS#  
BAS%

**11**

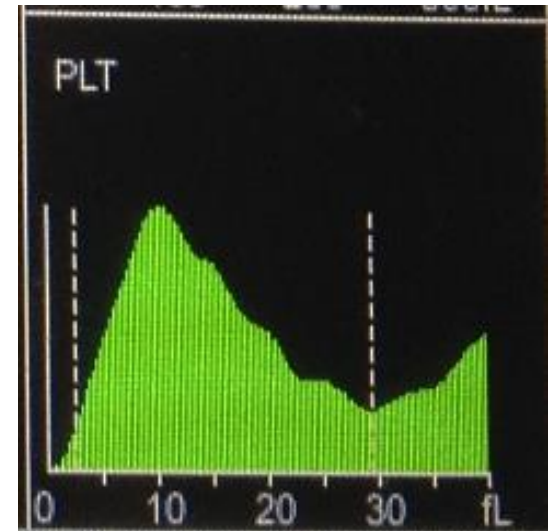
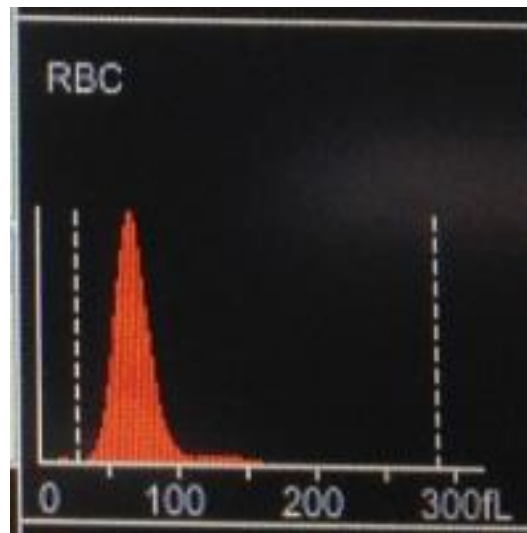
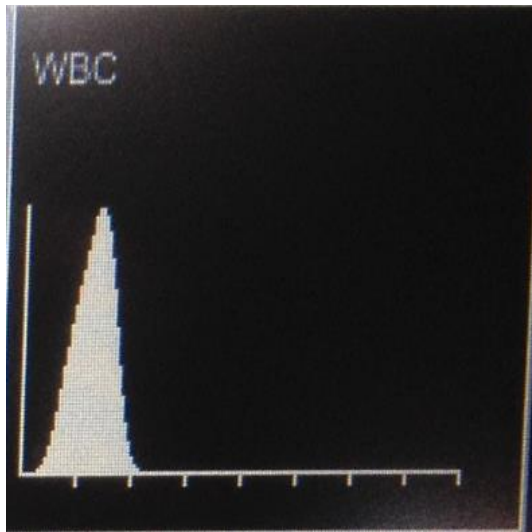
# Azimut 5 VET



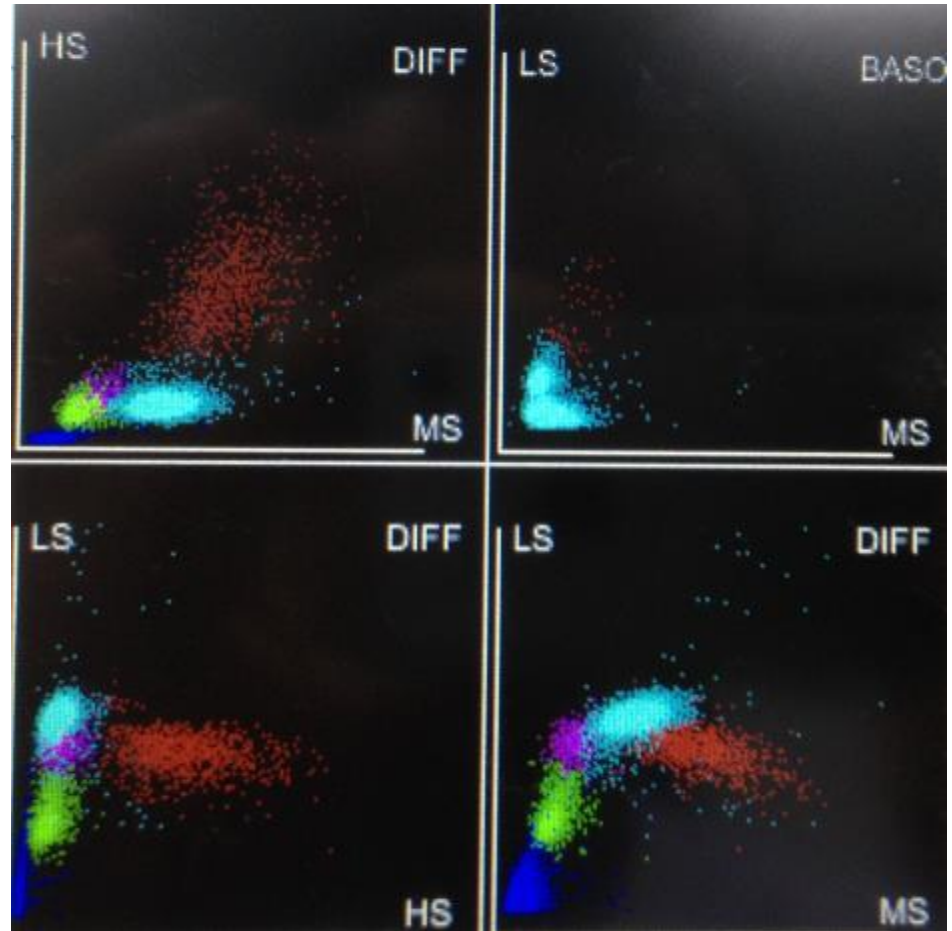
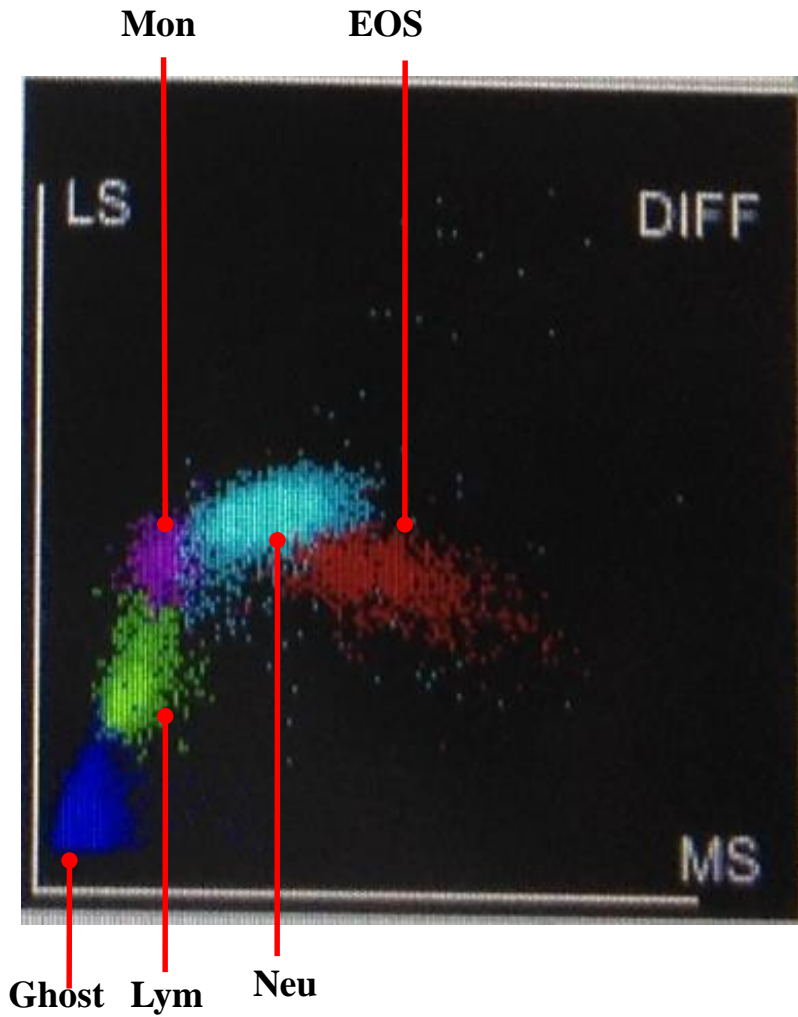
**23** reportable parameters



# 6.Three Histograms



# 7.Four 2D Scattergrams



# 8. Long reagent expiration date

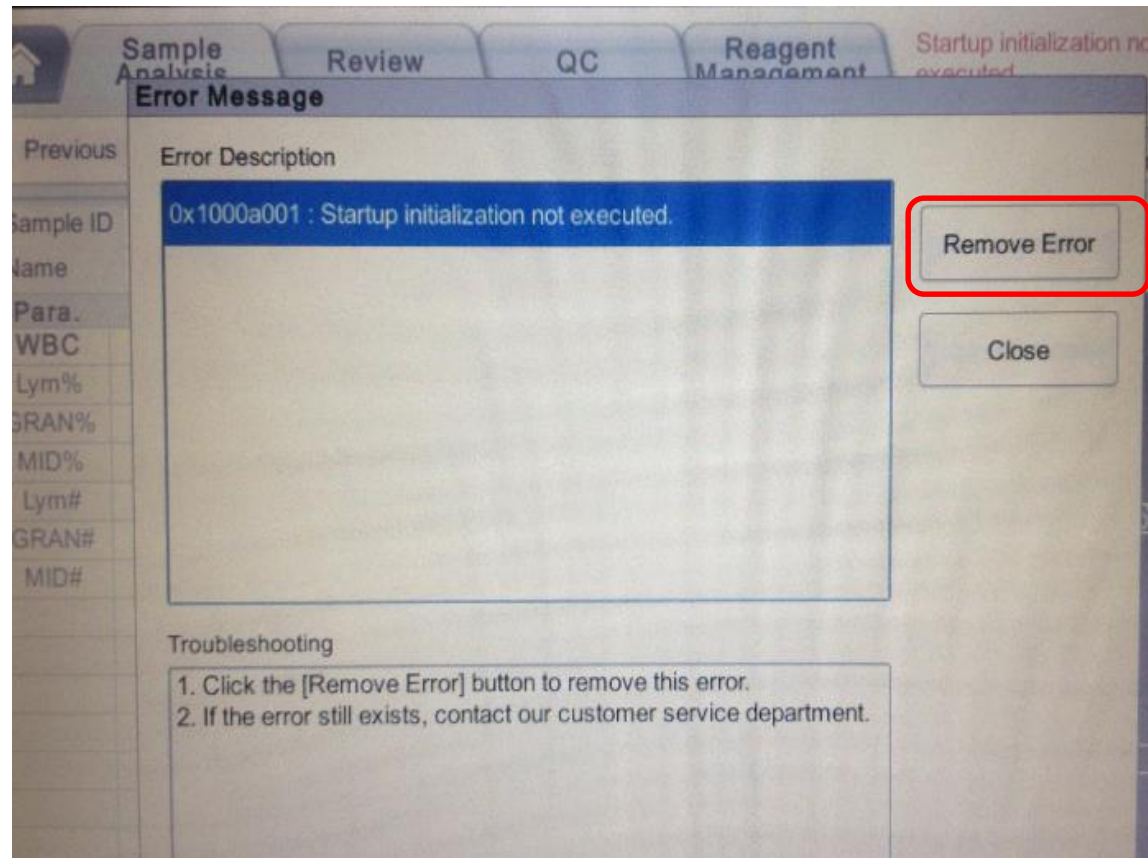
Class	Name	Shelf life	Open life	Close Method
Diluent	DIL-C	24 months	60 days	RF Card
Lyse	LYC-1	24 months	60 days	RF Card
Lyse	LYC-2	24 months	60 days	RF Card
Cleanser	Cleanser	24 months	60 days	None

**Storage temperature: 2-30°C**

**Operation temperature: 10-30°C**

# 9. Easy operation and maintenance

- Daily maintenance is performed simply by soaking of probe cleaner.
- One button to troubleshoot problem. (Intelligent Fault Diagnosis System)



One button to  
troubleshoot

# 10. Multiple languages

➤ **Software is available in three different languages now.**

**Others will launch soon.**

➤ **Chinese**

➤ **English**

➤ **French**

➤ **Spanish**

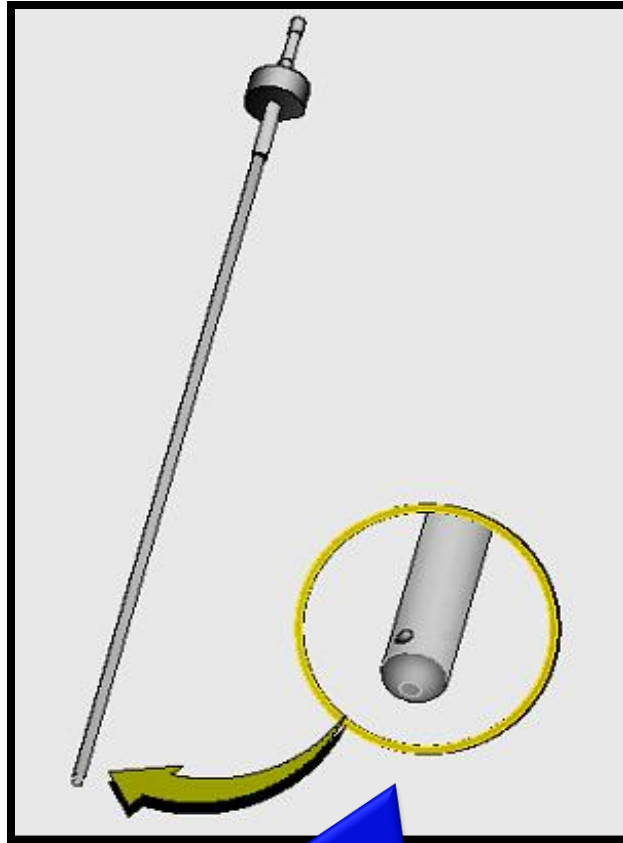
➤ .....



# 12.Imported high quality component

# 13. Sample probe anti-block design



Bottom is close,  
aspiration hole is on left side.

# Rigorous background requirement

<b><i>Parameter</i></b>	<b><i>Background</i></b>
<b><i>WBC</i></b>	$\leq 0.2 \times 10^9 / L$
<b><i>RBC</i></b>	$\leq 0.02 \times 10^{12} / L$
<b><i>HGB</i></b>	$\leq 1 \text{ g/L}$
<b><i>HCT</i></b>	$\leq 0.5\%$
<b><i>PLT</i></b>	$\leq 10 \times 10^9 / L$



# Low carryover

<i>Parameter</i>	<i>Carryover</i>
<i>WBC</i>	$\leq 0.5\%$
<i>RBC</i>	$\leq 0.5\%$
<i>HGB</i>	$\leq 0.5\%$
<i>HCT</i>	$\leq 0.5\%$
<i>PLT</i>	$\leq 1.0\%$

# Good precision - stable result

<b>Parameter (testing range)</b>	<b>Whole blood precision (CV/absolute deviation d<del>*</del>)</b>	<b>Pre-diluted precision (CV/absolute deviation d<del>*</del>)</b>
<b>WBC (4 - 15.0 × 10<sup>9</sup>/L)</b>	≤2.0%	≤4.0%
<b>Neu% (50.0 - 60.0 %)</b>	± 4.0 (Absolute deviation)	± 8.0 (Absolute deviation)
<b>Lym% (25.0 - 35.0 %)</b>	± 3.0 (Absolute deviation)	± 6.0 (Absolute deviation)
<b>Mon% (5.0 - 10.0 %)</b>	± 2.0 (Absolute deviation)	± 4.0 (Absolute deviation)
<b>Eos% (2.0 - 5.0 %)</b>	± 1.5 (Absolute deviation)	± 2.5 (Absolute deviation)
<b>Bas% (0.5 - 1.5 %)</b>	± 0.8 (Absolute deviation)	± 1.2 (Absolute deviation)
<b>RBC (3.5 - 6.0 × 10<sup>12</sup> / L)</b>	≤1.5%	≤2.0%
<b>HGB (110 - 180 g/L)</b>	≤1.5%	≤2.0%
<b>MCV (70 - 120 fL)</b>	≤1.0%	≤1.5.0%
<b>PLT (150 - 500 × 10<sup>9</sup> / L)</b>	≤4.0%	≤8.0%

# Wide linearity range

<b>Parameter</b>	<b>Linearity range</b>	<b>Deviation range (Whole blood mode)</b>
<b>WBC</b>	$(0.00-100) \times 10^9/L$	$\pm 0.30 \times 10^9/L$ or $\pm 5\%$
	$(100-300) \times 10^9/L$	$\pm 10\%$
<b>RBC</b>	$(0.00-8.50) \times 10^{12}/L$	$\pm 0.05 \times 10^{12}/L$ or $\pm 5\%$
<b>HGB</b>	0-250g/L	$\pm 2g/L$ or $\pm 2\%$
<b>PLT</b>	$(0-1000) \times 10^9/L$ (RBC $\leq$ 7.0)	$\pm 10 \times 10^9/L$ or $\pm 8\%$
	$(1001-3000) \times 10^9/L$ (RBC $\leq$ 7.0)	$\pm 12\%$
<b>HCT</b>	0-67%	$\pm 2\%$ (HCT value) or $\pm 3\%$ (deviation percent)

# Good correlation

<b><i>Parameter</i></b>	<b><i>a</i></b>	<b><math> b </math></b>	<b><i>r</i></b>
<b><i>WBC</i></b>	<b><math>0.97 \leq a \leq 1.03</math></b>	<b><math>\leq 0.3</math></b>	<b><math>\geq 0.99</math></b>
<b><i>RBC</i></b>	<b><math>0.97 \leq a \leq 1.03</math></b>	<b><math>\leq 0.1</math></b>	<b><math>\geq 0.99</math></b>
<b><i>HGB</i></b>	<b><math>0.97 \leq a \leq 1.03</math></b>	<b><math>\leq 2</math></b>	<b><math>\geq 0.98</math></b>
<b><i>MCV</i></b>	<b><math>0.97 \leq a \leq 1.03</math></b>	<b><math>\leq 1.5</math></b>	<b><math>\geq 0.98</math></b>
<b><i>PLT</i></b>	<b><math>0.97 \leq a \leq 1.03</math></b>	<b><math>\leq 10</math></b>	<b><math>\geq 0.95</math></b>