

## Parameters

**37** Reportable parameters (whole blood): WBC, Lym(#,%), Mon(#,%), Neu(#,%), Bas(#,%), Eos(#,%), IMG(#,%), RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, NRBC(#,%), PLT, MPV, PDW, PCT, P-LCR, P-LCC, RET(#,%), IRF, HFR, MFR, LFR, IPF, RHE

**With 2 histograms, 5 scatter grams, 3 3D stereograms**

**50** Research parameters (whole blood): HPC(#,%), HFC(#,%), RBC-O, PLT-O, PLT-I, WBC-O, WBC-D, TNC-D, IME(#,%), H-NR%, L-NR%, NLR, PLR, WBC-N, TNC-N, InR#, InR%, Micro(#,%), Macro(#,%), MRV, PDW-SD, RPI, H-IPF, IPF#, Neu-X, Neu-Y, Neu-Z, Lym-X, Lym-Y, Lym-Z, Mon-X, Mon-Y, Mon-Z, SRBC, LRBC, SMCV, LMCV, MCH(r), HDW, MPC, MPM, HYPER%, HYPO%, FRC(#,%); **With 4 scatter grams**

**7** Reportable parameters (body fluid): WBC-BF, RBC-BF, TC-BF#, MN(#,%), PMN(#,%)

**11** Research parameters (body fluid): Eos-BF(#,%), Neu-BF(#,%), HF-BF(#,%), RBC-BF\*, LY-BF(#,%), MO-BF(#,%)

**Body fluid with RBC histogram and DIFF scatter gram**

## Channel and Principle

DIFF/WNR/RET/WPC: Flow Cytometry+Fluorescence Nucleic Acid Staining technology

RBC(PLT): Sheath Impedance

HGB: Colorimetric(The upgrated Cyanide-free reagent)

## Throughput

CBC 110T/H, CD 110T/H, CDR 65T/H

## Reagents

Diluents(DS, DR), lyses(LN, LD, LP, LH), Fluorescent dyes(FR, FN, FD, FP)

## Sampling mode

Pre-diluent 20  $\mu$ L, Whole blood  $\leq$  80  $\mu$ L, Capillary blood  $\leq$  36  $\mu$ L, Body fluid  $\leq$  85  $\mu$ L

## Sampling device

Auto loader with 50 (10\*5 racks) samples storage capacity

## Data storage

Up to 1,500,000 sample results with grams

## Analysis mode

CBC, CD, CDH, CDR, CDRH, CR, RET, CR/PLT-L, CDR/PLT-L

## Linearity

WBC: 0~500 $\times$ 10<sup>9</sup>/L, PLT: 0~5000 $\times$ 10<sup>9</sup>/L

## Display

Integrated 10.4-inch touch screen with PC display (23.8-inch color TFT display)

## HIS & LIS

Support, with HL7 protocol

## Power

AC 100-240V, 50/60Hz, 400VA

## Dimension & Weight

570mm(L)  $\times$  775mm(W)  $\times$  725mm(H), 80kg

**URIT** Since 1984  
Global Diagnostics Supplier



# BH-6180

## 5-Part-Diff Hematology Analyzer

Flow Cytometry+Nucleic Acid Fluorescence Staining technology

One-stop capillary blood testing

Outperforming '6-Part-Diff' hematology analyzer

44 reportable parameters and 61 research parameters

New PLT-L solution ensure the accuracy of low PLT count



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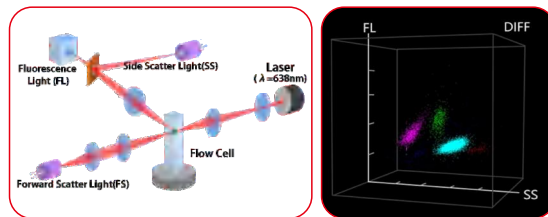
## BH-6180

5-Part-Diff Hematology Analyzer

GO FURTHER IN ACCURACY AND CONVENIENT

### Superior Nucleic Acid Fluorescence Staining Technology

Nucleic acid content vary from different cells, target dyeing cell nucleic acid with fluorescent dyes, and get scattered light information at two angles and fluorescent signals to accurately identify different cells. The abnormal cells can be accurately and quantitatively detected thanks to the high nucleic acid fluorescent signals. It provides important clinical information for early detection of malignant diseases.



### Reliable PLT Results

- Sheath Impedance(PLT-I)**

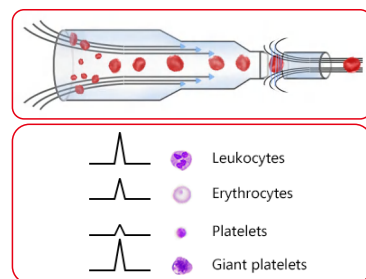
Effectively avoiding cell overlap, more accurate PLT results  
The wrapped cells passed without touching the ruby aperture, low maintenance rate

- Fluorescent Nucleic Acid Staining(PLT-O)**

Free from interference of platelet clumps, large platelets, small RBC, fragmented RBCs etc.

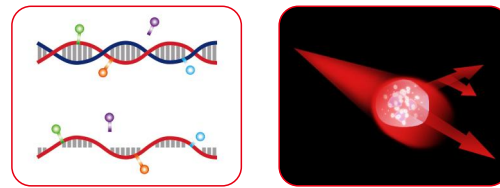
- PLT-L**

Extending counting time to ensure the accuracy of low PLT count samples

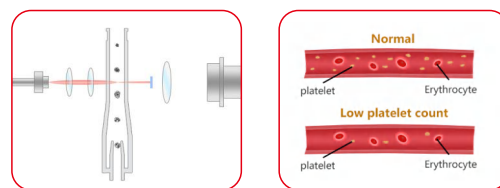


### Accurate

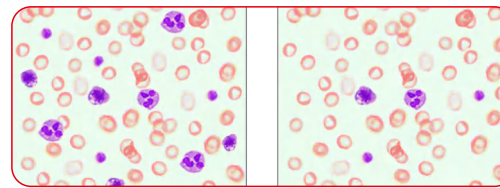
- Targeted nucleic acid fluorescence staining to accurately identify different cells



- The combination of PLT-I, PLT-O and PLT-L, accurately report platelets

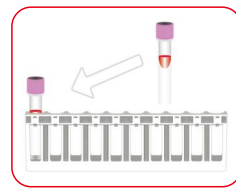


- Accurate and Automatic detection of low leukocytes count samples



### Convenient

- Capillary blood auto loading, mixing and sampling  
> Higher detection efficiency  
> Avoid uneven mixing and release workload  
> Friendly to pediatric patients and emergency patients



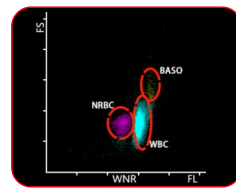
- The CS module support abnormal sample auto rerun & reflex check



- 360° rotating code scanning



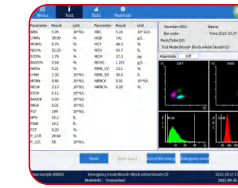
- NRBC obtain in CBC test, avoid WBC counting false positive and decrease re-detection rate



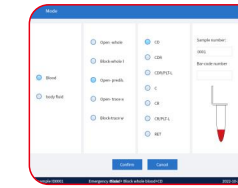
### Comprehensive



- Total 44 reportable parameters including whole blood and body fluid parameters



- Total 7 analysis modes for pre-diluent samples
- Various sensitive alarm information



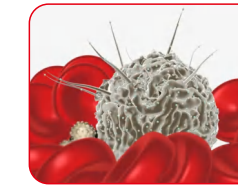
- Compatible with multiple types of sample tubes (Whole blood vacuum tube, capillary blood inner sleeve, sarstedt tube etc.)



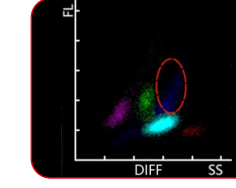
### Valuable Parameters



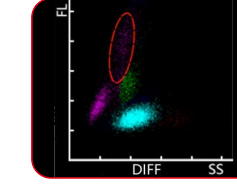
- HPC(#,%) information for early screening organ transplant rejection or determine HPC optimal transplantation time



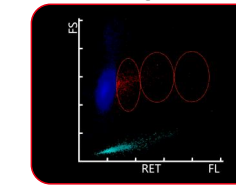
- IMG(#,%) provide valuable help about leukemia or leukemic reaction diagnosis



- HFC(#,%) represent blasts and atypical lymphocytes alarm information



- RET(#,%), IRF, RHE information for better monitoring of anemia



- InR(#,%) prompting infected by plasmodium, related to malaria.

