# CAL 8000
Cellular Analysis Line

**Diverse configuration to meet all kinds of demands**

### CAL 8000 **111**



- Width×Height×Depth: 3580 x 1470 x 1030(mm)
- Weight: 1250kg

### CAL 8000 **211**



- Width×Height×Depth: 4470 x 1470 x1030(mm)
- Weight: 1550kg

### CAL 8000 **422**



- Width×Height×Depth: 8240 x 1479 x 1030(mm)
- Weight: 2700kg

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# CAL 8000 NEW
Cellular Analysis Line With Digital Cell Morphology Analyzer

# Smarter workstation, simpler workflow



**mindray**

# CAL 8000
## Cellular Analysis Line

**NEW** MC-80 Automated Digital Cell Morphology Analyzer

MC-80 provides ultra resolution images to reappear the real view under the microscope. By using advanced  Multi-layer fusion technology, it simulates manual focus adjustment and accurately restores the pathological features of cells, which is helpful for early screening of blood diseases (such as acute promyelocytic leukemia) and infectious diseases.
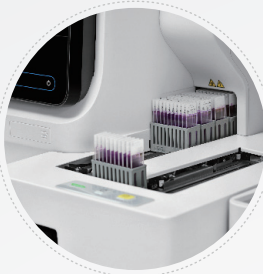
**60 Slides/hour**
*Industry-leading high throughput*

The throughput of MC-80 is 60 slides/h, which guarantees the ultimate efficiency.

Re-exam: transport the samples that require blood smears, as per the pre-defined re-exam criteria

The re-exam criteria on CAL 8000 can be defined by many conditions, such as patient age, gender, department, historical result etc. This helps minimize the number of blood smears.

Repeat: repeat the previous test (in case of some system errors)

Rerun: keep the previous test result, and rerun the sample in the same test mode (for suspect results)

Reflex: add some test items such as "PLT-O" (in case of suspected results

The CAL 8000 can automatically distribute the samples with "Repeat", "Rerun" and "Reflex" criteria which are pre-defined by users.

The touch screen is the "brain" of CAL 8000. It optimizes the distribution of workload between each BC-6800Plus unit and decides which sample requires a blood smear. It displays the status of each BC-6800Plus or SC-120 installed on CAL 8000 as well as the volume of balance reagent. This intuitive software can tell the users all necessary information of CAL 8000 at any given time. Consequently, the users will spend less time operating CAL 8000 and arrange their working schedule better.

The stock yard can hold up to 300 sample tubes at a time. From here the users can select the sample tubes which need further analysis.

The start yard can hold up to 200 sample tubes at a time. The STAT position provides an option for a faster blood count.

Mindray supports multiple staining protocol, such as Wright stain, Wright-Giemsa stain, and May-Grunwald-Giemsa stain
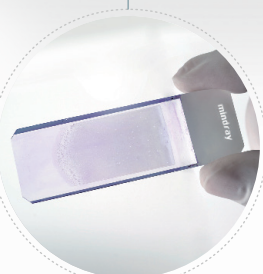
Mindray provides original slides to ensure quality of blood smears and reliable performance of SC-120.

All reagents as well as the pneumatic unit can be set in the trolley below respective BC-6800Plus or SC-120. In this manner, the reagents and pneumatic unit are well organized permitting easy reagent replacement.

BC-6800Plus offers a throughput of up to 200 samples per hour, greatly improving the efficiency of CAL 8000. With the newly designed optics and reagent systems, the 3D SF-Cube fluorescent technology can help doctors to better differentiate the clusters of cells, which is key to revealing more abnormal cells. To bring more clinical value to our customers, BC-6800Plus provides NRBC result in every CBC + DIFF test without extra reagents and cost. To improve the accuracy of abnormal platelet detection, the patented multiple sampling method (PLT 8X) is used to analyze samples with low PLT value. WBC 3X is used to analyzer samples with low WBC value as well.

The special tube racks utilize different barcodes to differentiate specific usages, such as "QC", "Slide making & staining only" and "RET test only". The special tube racks can carry the tubes to perform these specific functions in the simplest way.

## Turn module

The turn module can turn the sample racks in another direction.

## Stock yard  Start yard

The start yard and stock yard can be located at the same or different sides.

## Buffer module

### Step 2
Manual review of sample results by labXpert

### Step 1
Samples waiting in the buffer module

### Step 3
Delivering samples for slide making, rerun, reflex or to stock yard according to orders from labXpert

## CAL 8000
### optional parts

**Additional stock yard**
300 sample tubes

**Additional start yard**
580 sample tubes

**Start yard**
200 sample tubes

**Additional stock yard**
300 sample tubes

**Stock yard**
300 sample tubes

Extended track

## A complete cellular analysis solution

More analyzers, CRP analyzer and concentrated reagent delivery system can be integrated into the CAL 8000

**CRP-M100 Automated CRP Analyzer**
100 CRP tests per hour

**CR-30[H] Concentrated Reagent Delivery System**

Highly efficient diluent preparation meets the whole line operation at full capacity.

- Replace reagent once a week
- Replace DCT diluent without interrupting workflow
- Directly provide deionized water for SC-120
- Reliable and stable performance of diluted reagent

## More flexible layouts with the CAL 8000 optional parts

Outer L-shaped layout

Inner L-shaped layout

# 1, 2, 3 Load & Go

Just by following 3 simple steps of "load and go", operators of SC-120 Slide Maker & Stainer are able to obtain finished slides which are ready for microscopic analysis. Up to 150 blank slides and 10 cassettes holding 10 slides each can be loaded at a time.
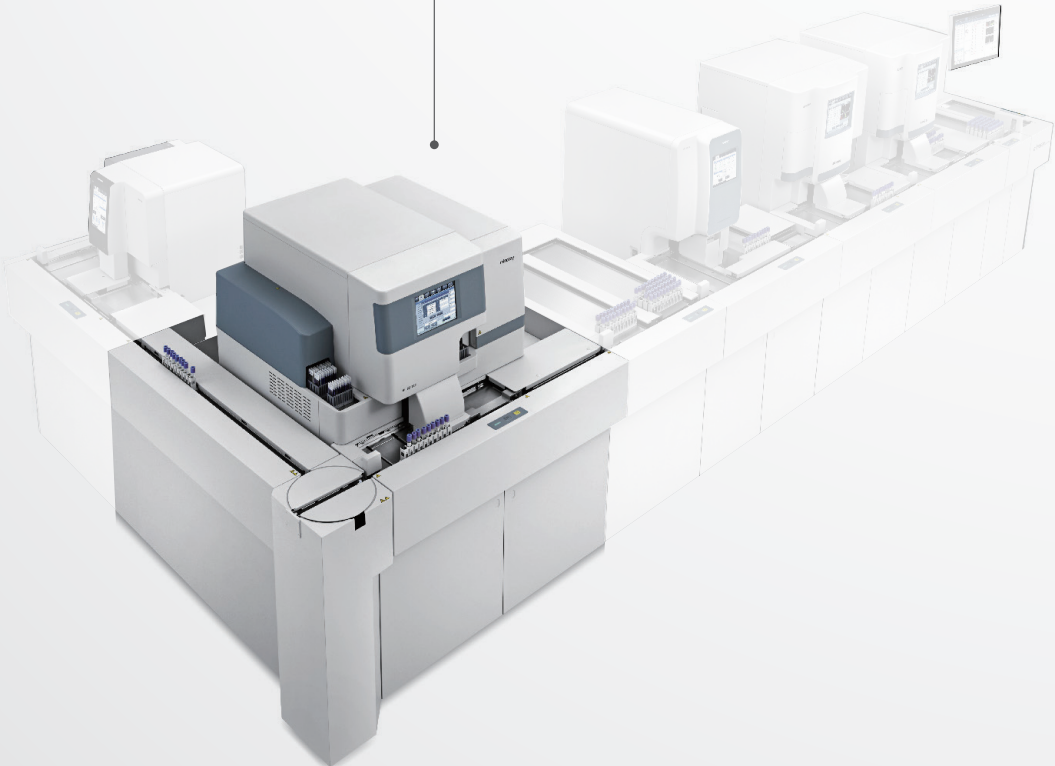
1 **Load** slides

2 **Load** cassettes

3 **Go** finished slides



The SC-120 can make smears from capillary samples as minimum samples required is only 25ul.



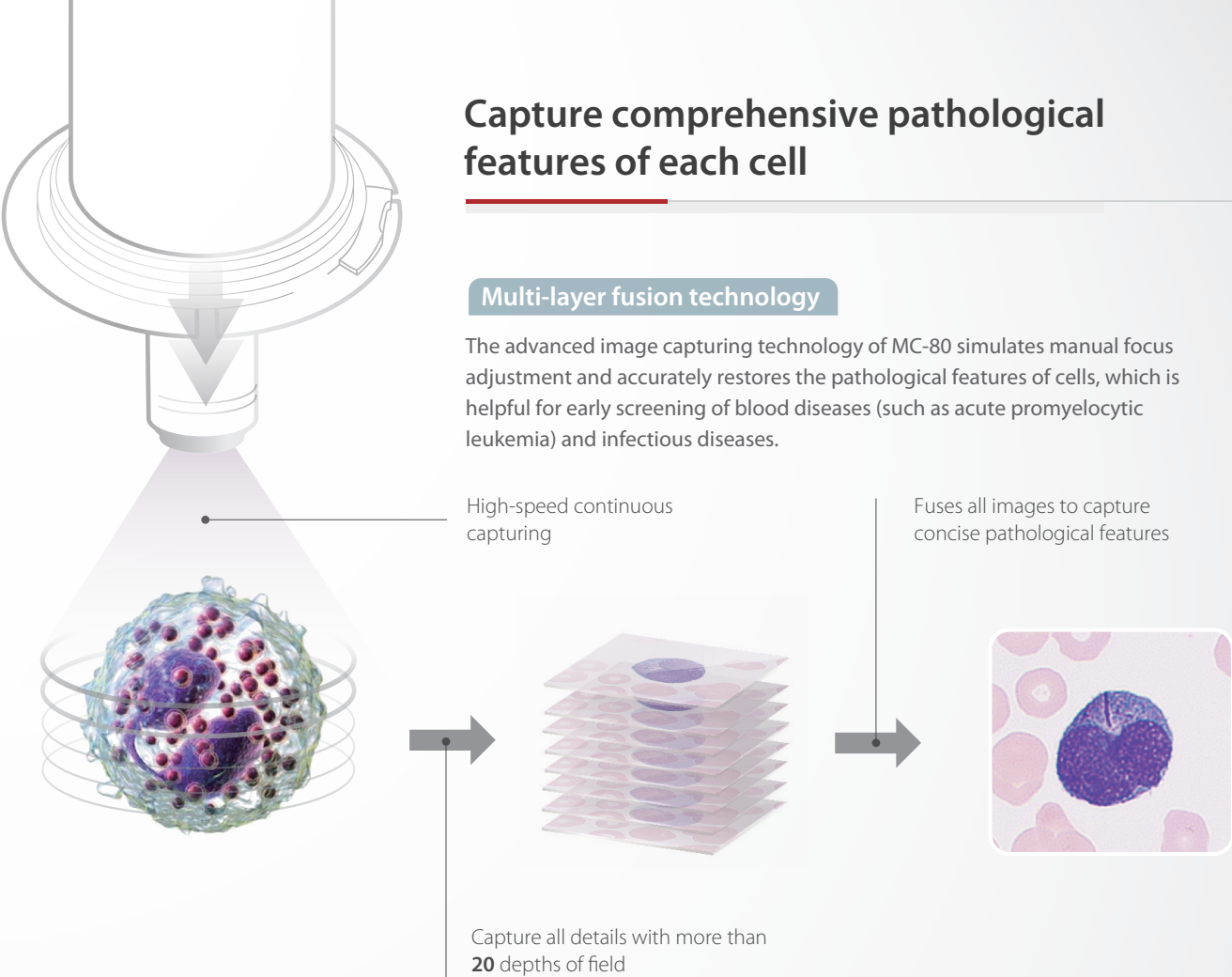# Capture comprehensive pathological features of each cell

**Multi-layer fusion technology**

The advanced image capturing technology of MC-80 simulates manual focus adjustment and accurately restores the pathological features of cells, which is helpful for early screening of blood diseases (such as acute promyelocytic leukemia) and infectious diseases.

High-speed continuous capturing

Fuses all images to capture concise pathological features
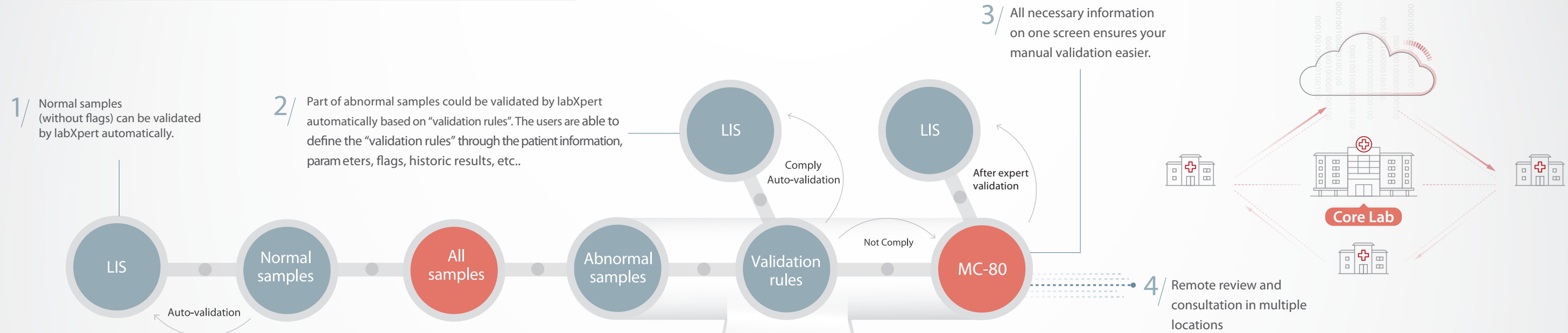


Capture all details with more than **20** depths of field

# Achieve smarter process and less manual intervention via intelligent analysis rules

② High-speed FLY-MODE ensures accurate **PLT clump identification**

① Low PLT value detected

PLT
PLT
-Thrombocytopenia
-PLT Clump?

PLT    RL  **34**

# New working procedure help you enhance the efficiency

**1** / Normal samples (without flags) can be validated by labXpert automatically.

**2** / Part of abnormal samples could be validated by labXpert automatically based on "validation rules". The users are able to define the "validation rules" through the patient information, parameters, flags, historic results, etc..

**3** / All necessary information on one screen ensures your manual validation easier.

**4** / Remote review and consultation in multiple locations

LIS → Normal samples (Auto-validation) → All samples → Abnormal samples → Validation rules → MC-80

Validation rules → LIS (Comply Auto-validation)

Not Comply → MC-80

MC-80 → LIS (After expert validation)

Core Lab

**The labXpert software optimizes following functions to simplify your workflow for data analysis:**

· Improved re-exam criteria function with multi-conditions setup
· Auto-validation for normal samples
· More intuitive interface to review and validate pathological samples

Remote consultations

Analyze the slide automatically

Stain the slide automatically
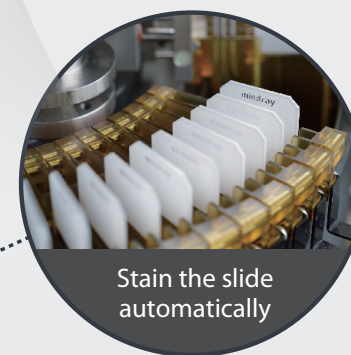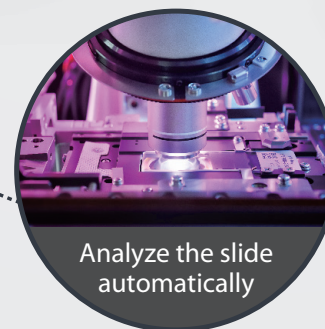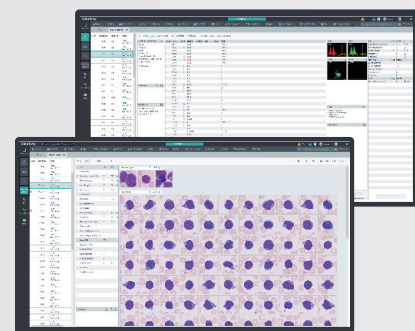
**The CAL 8000's onboard management software can help users organize their working hours better because it displays:**

· The working status of each BC-6800Plus and SC-120
· The working status of the track
· The reagent monitoring including dead volume, number of tests left, expiration date, etc.

Re-inspection rules

if abnormal

mindray CAL 8000

# BC-6800Plus
Auto Hematology Analyzer

**mindray**

## Principles
SF Cube* method to count WBC, 6-part diff, NRBC, ERP and PLT-O
Focusing Flow-DC method for RBC and PLT
Cyanide free reagent for hemoglobin test
*S: Scatter; F: Fluorescence; Cube: 3D analysis

## Parameters
37 Reportable parameters (whole blood): WBC, Lym%, Mon%, Neu%, Bas%, Eos%, IMG%, Lym#, Mon#, Neu#, Eos#, Bas#, IMG#; RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, NRBC#, NRBC%; PLT, MPV, PDW, PCT, P-LCR, P-LCC, RET%, RET#, RHE, IRF, LFR, MFR, HFR, IPF
48 Research parameters (whole blood): HFC#, HFC%, RBC-O, PLT-O, PLT-I, WBC-O, WBC-D, TNC-D, IME%, IME#, H-NR%, L-NR%, NLR, PLR, WBC-N, TNC-N, InR#, InR‰, Micro#, Micro%, Macro#, Macro%, RPI, H-IPF, IPF#, MRV, FRC#, FRC%, PDW-SD, Neu-X, Neu-Y, Neu-Z, Lym-X, Lym-Y, Lym-Z, Mon-X, Mon-Y, Mon-Z, SRBC, LRBC, SMCV, LMCV, MCHr, HDW, MPM, MPC, HYPER%, HYPO%
7 Reportable parameters (body fluid): WBC-BF, TC-BF#, MN#, MN%, PMN#, PMN%, RBC-BF
11 Research parameters (body fluid): Eos-BF#, Eos-BF%, Neu-BF#, Neu-BF%, HF-BF#, HF-BF%, RBC-BF, LY-BF#, LY-BF%, MO-BF#, MO-BF%

2 Histograms for RBC and PLT
4 Three-dimension scatter grams: DIFF, WNB, RET, ERP
7 Two-dimension scatter grams: DIFF, WNB, RET, RET-EXT, PLT-O, RBC SCT, RBC VHF

## Mode
CBC, CBC+DIFF, CBC+DIFF+RET, CBC+RET, RET

## Data storage capacity
Up to 100,000 results including numeric and graphical information

## Operating environment
Temperature: 15℃~32℃
Humidity: 30%~85%

## Performance

| Parameter | Linearity Range | Precision | Carryover |
|---|---|---|---|
| WBC | 0-500×10⁹/L | ≤2.5% (≥4×10⁹/L) | ≤1.0％ |
| RBC | 0-8.60×10¹²/L | ≤1.5% (≥3.5×10¹²/L) | ≤1.0％ |
| HGB | 0-260g/L | ≤1.0% (110-180g/L) | ≤1.0％ |
| HCT | 0-75% | ≤1.5% (30%-50%) | ≤1.0％ |
| PLT | 0-5000×10⁹/L | ≤4.0% (≥100×10⁹/L) | ≤1.0％ |
| RET# | 0-0.8×10¹²/L | ≤15% (RBC≥3×10¹²/L; 1%≤RET%≤4%) | / |

## Sample volume
| | |
|---|---|
| Whole blood (Autoloader) | 190uL |
| Whole blood(Open vial) | 130uL |
| Predilute（Open vial） | 40uL |
| Body fluid (Open vial) | 130uL |

## Throughput
Up to 200 samples per hour (CBC+DIFF)
Up to 120 samples per hour (CBC+DIFF+RET)
Up to 120 samples per hour (RET)
Up to 40 samples per hour (Body fluid)

## Loading capacity
Up to 100 sample tubes



125kg    700mm
680mm    850mm

# BC-6800Plus
Auto Hematology Analyzer

# More than Fast



BC-6800 Plus
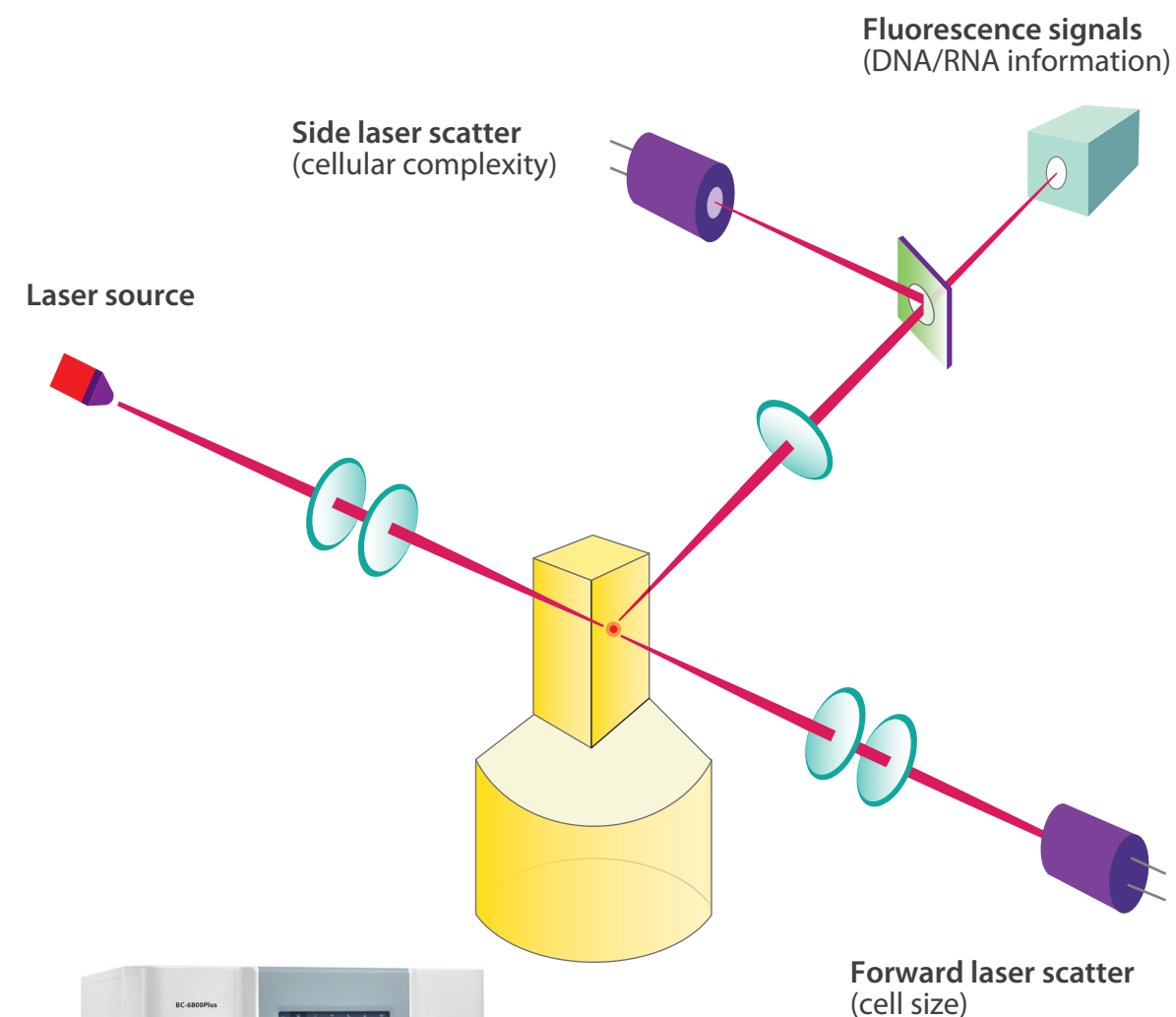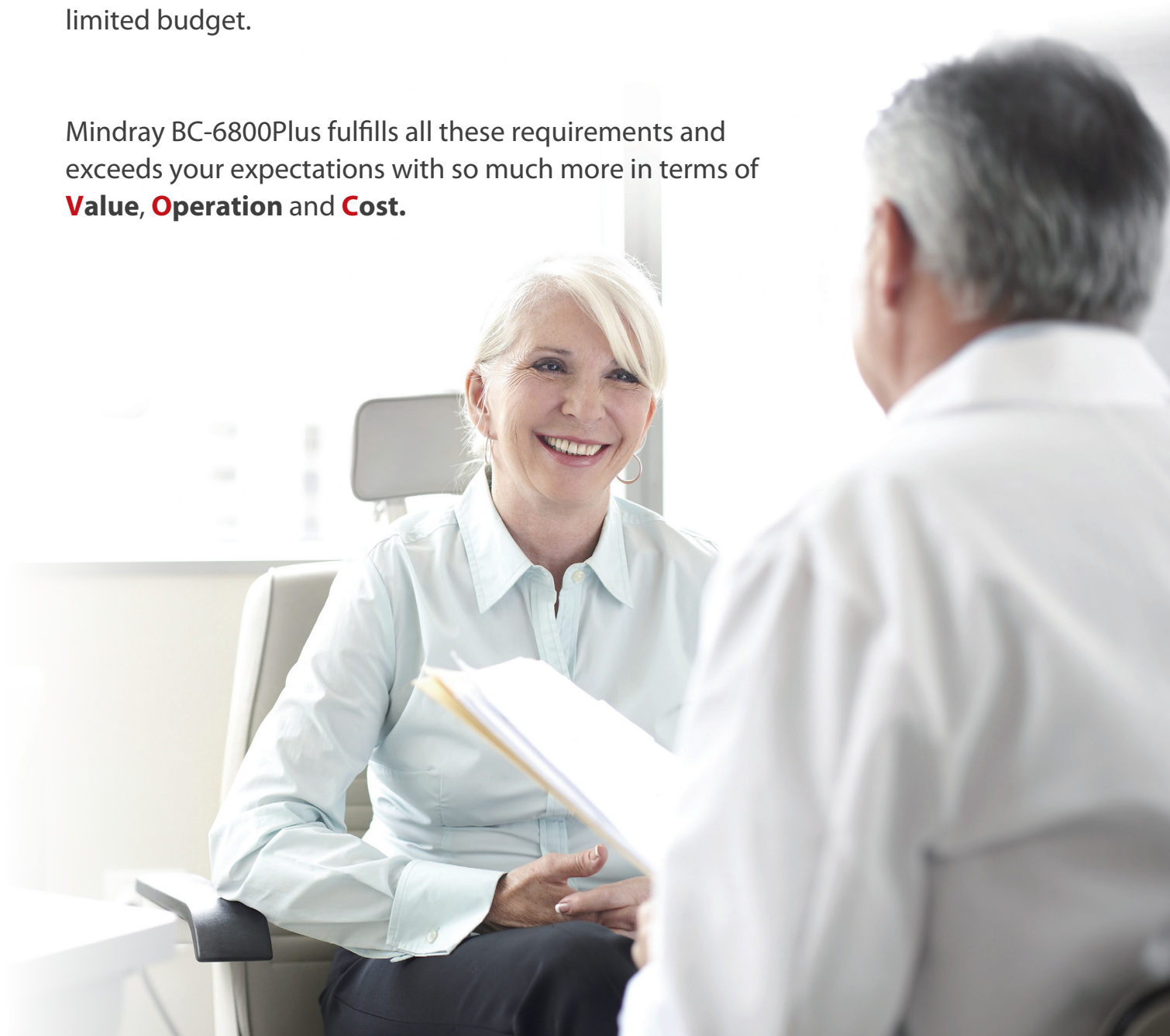
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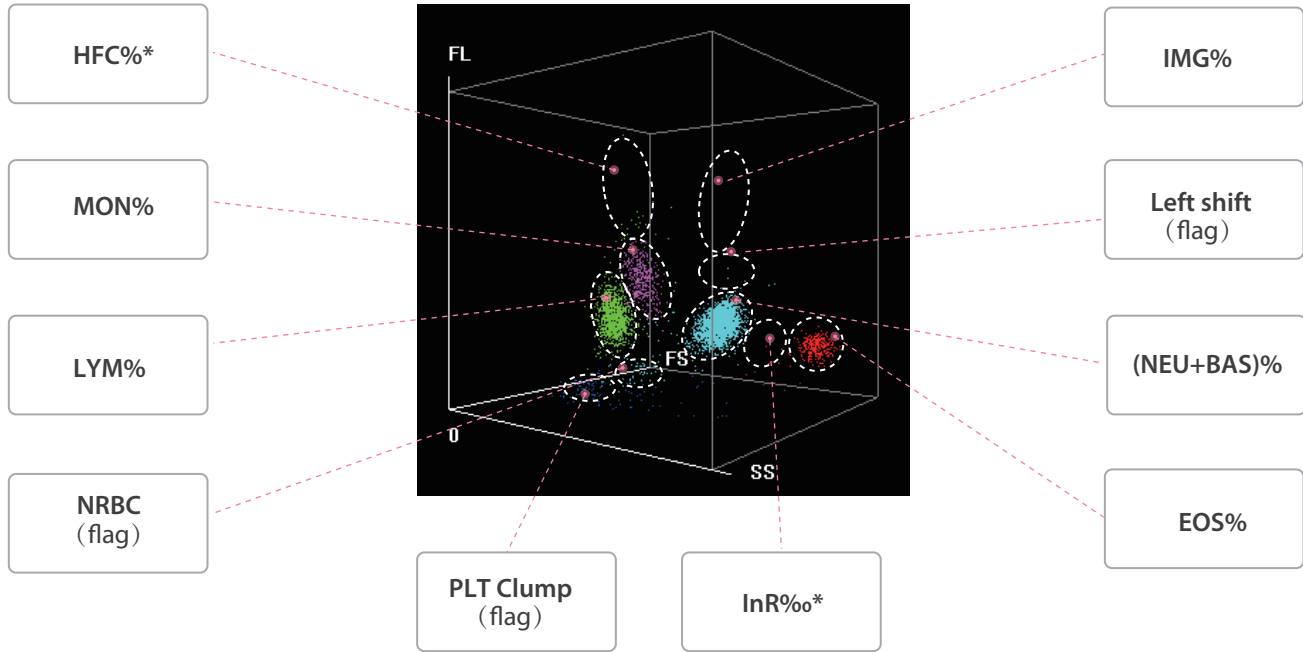At Mindray, we seek to understand the needs of every customer, and deliver tailor-made solutions. Before designing any product, we listen to the Voice Of Customers and bear in mind the challenges they face. In today's laboratories, lab managers are looking for an analyzer with greater clinical values, such as higher flagging efficiency to reduce the ratio of microscopic examination, NRBC/RET/body fluid results generated in a high-speed system, among others, all within limited budget.

Mindray BC-6800Plus fulfills all these requirements and exceeds your expectations with so much more in terms of **Value**, **Operation** and **Cost.**

**SF Cube**
Cell Analysis Technology

**Value**

**Fluorescence signals**
(DNA/RNA information)

**Side laser scatter**
(cellular complexity)

**Laser source**

**Forward laser scatter**
(cell size)

With the newly designed optics and reagent systems, the SF Cube technology can help doctors to better differentiate the clusters of cells, which is the key to revealing more abnormal cells.
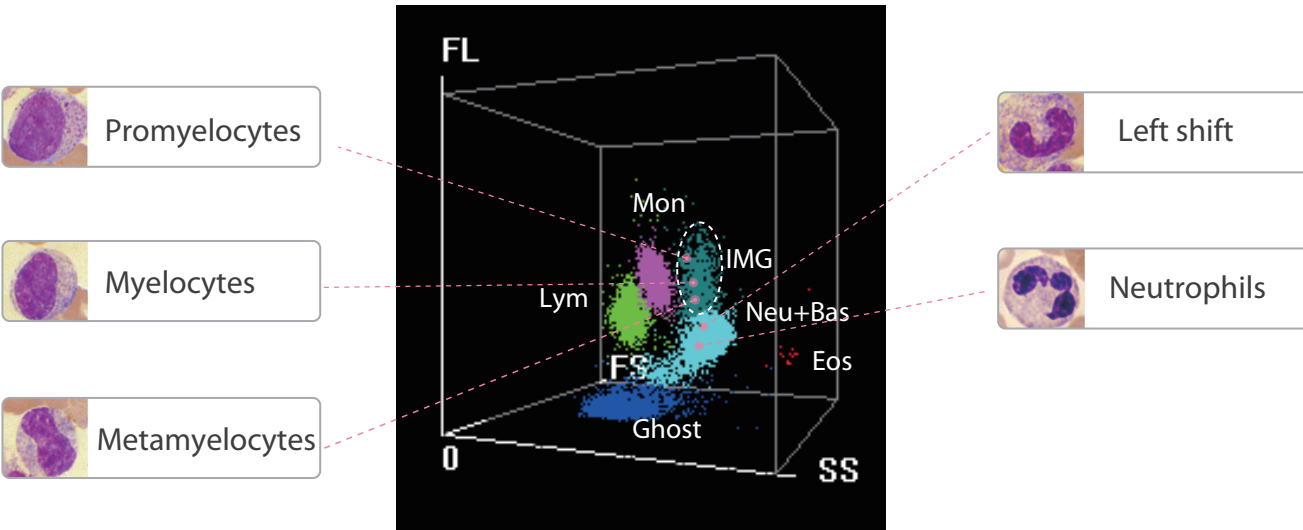
# DIFF Channel



HFC%*

MON%

LYM%

NRBC（flag）

PLT Clump（flag）

InR‰*

FL

FS

SS

0

IMG%

Left shift（flag）

(NEU+BAS)%

EOS%

In DIFF scattergram, BC-6800Plus not only gives WBC 6-part differential results (with immature granulocyte), but also brings research parameters such as HFC (Blast & Atypical Lymphocyte), InR (information about malaria) and flags for Band, NRBC, PLT clump and Atypical Lymphocyte.
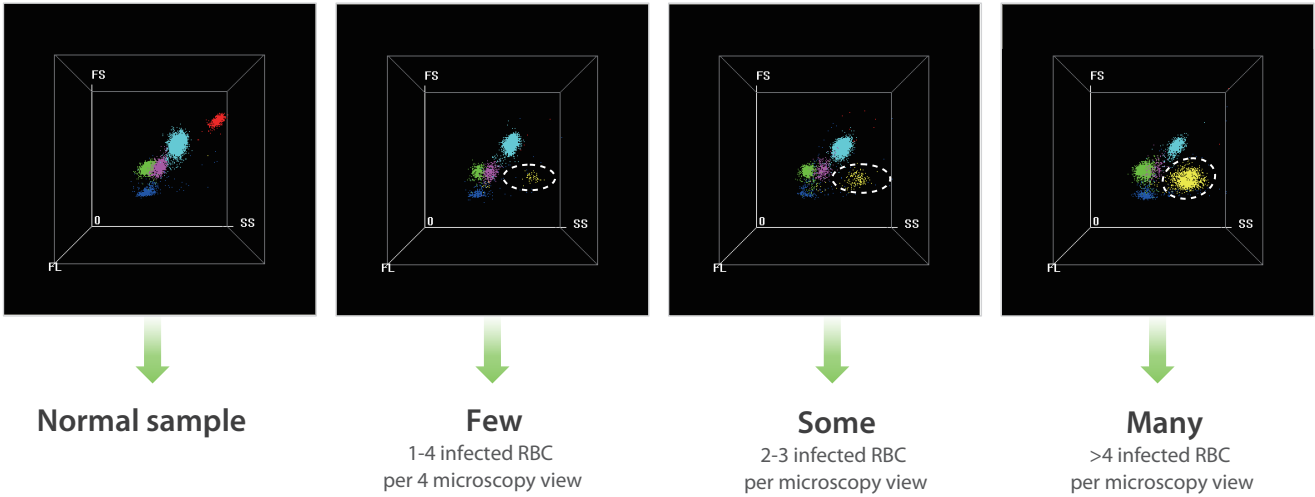
HFC*(#, %) parameters represent high population of fluorescent cell, such as Blasts and Atypical Lymphocytes.

IMG(#, %) parameters provide information about immature granulocytes, including Promyelocytes, Myelocytes, Metamyelocytes, Immature Eosinophils and Immature Basophils.



Promyelocytes

Myelocytes

Metamyelocytes

Left shift

Neutrophils

FL

Mon

IMG

Lym

Neu+Bas

FS

Eos

Ghost

0

SS

*For research use only

## Malaria screening



**Normal sample**

**Few**
1-4 infected RBC
per 4 microscopy view

**Some**
2-3 infected RBC
per microscopy view

**Many**
>4 infected RBC
per microscopy view

*Note: The yellow scatters are just for highlight.*

BC-6800Plus provides a dedicated flag called "infected RBC?", and "InR*(#,‰)"parameters to represent the number and ratio of the infected red blood cells in the sample respectively. BC-6800Plus users can obtain information about the possible presence of plasmodium parasite, the causative agent of malaria infection.
With the rising number of red blood cells with malaria parasites, the number of dots in the "InR" area increases proportionately. This creates the possibility to not only screen but also judge the severity of malaria infection.
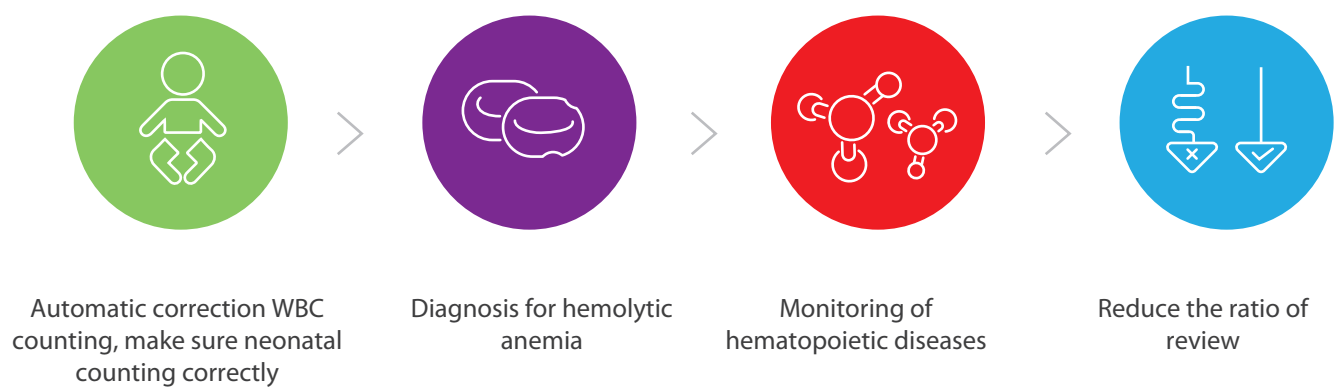
## Interference prevention



FL

FS

SS

0

Angle 1

Angle 2

FS

Lipid particle has **no fluorescence**

The PLT clump seems **mixed up** with Neutrophil and Eosinophil

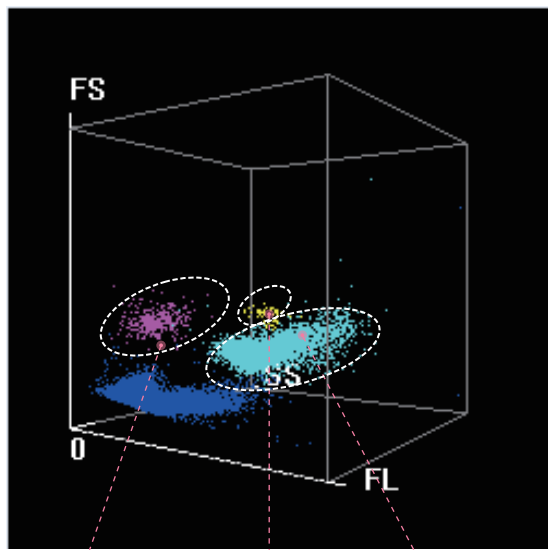The PLT clump is well separated from Neutrophil and Eosinophil
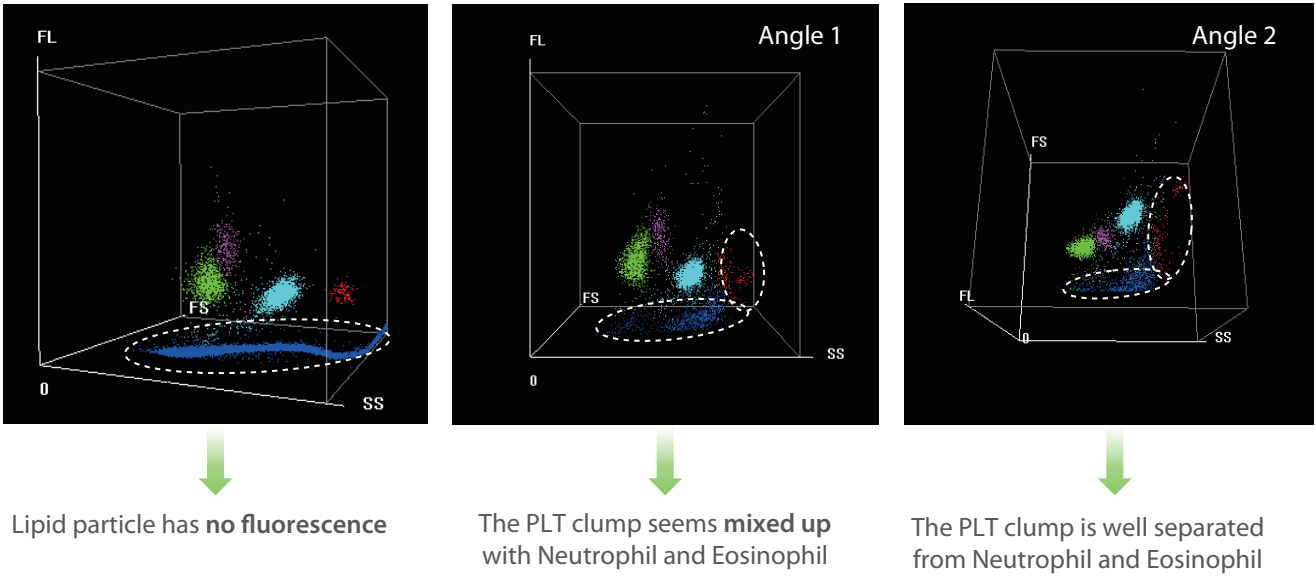
In DIFF scattergram, WBCs are dyed, but not lipid particles, by fluorescence, which prevents interference and ensures more accurate WBC results.
With information obtained through the 3D analysis, PLT clumps are well separated from each cluster of WBCs.

## NRBC results in every CBC



Automatic correction WBC counting, make sure neonatal counting correctly

Diagnosis for hemolytic anemia

Monitoring of hematopoietic diseases

Reduce the ratio of review

## WNB Channel



NRBC | Baso% | WBC-N *

*For research use only*

In WNB scattergram, BC-6800Plus provides NRBC, Basophils and WBC-N* results. It means that the actual number of NRBCs can be measured in routine CBC, if they are present in the sample. Basophils are counted in this counting channel with NRBC results.

Basophil and NRBC results are generated on BC-6800Plus without extra reagent or cost.

NRBCs do not usually exist in the peripheral blood except that of newborn children. Detection of NRBCs is essential in diagnosing and monitoring the hematopoietic diseases.



**Normal sample**

**High Baso sample**

**High Baso & NRBC sample**
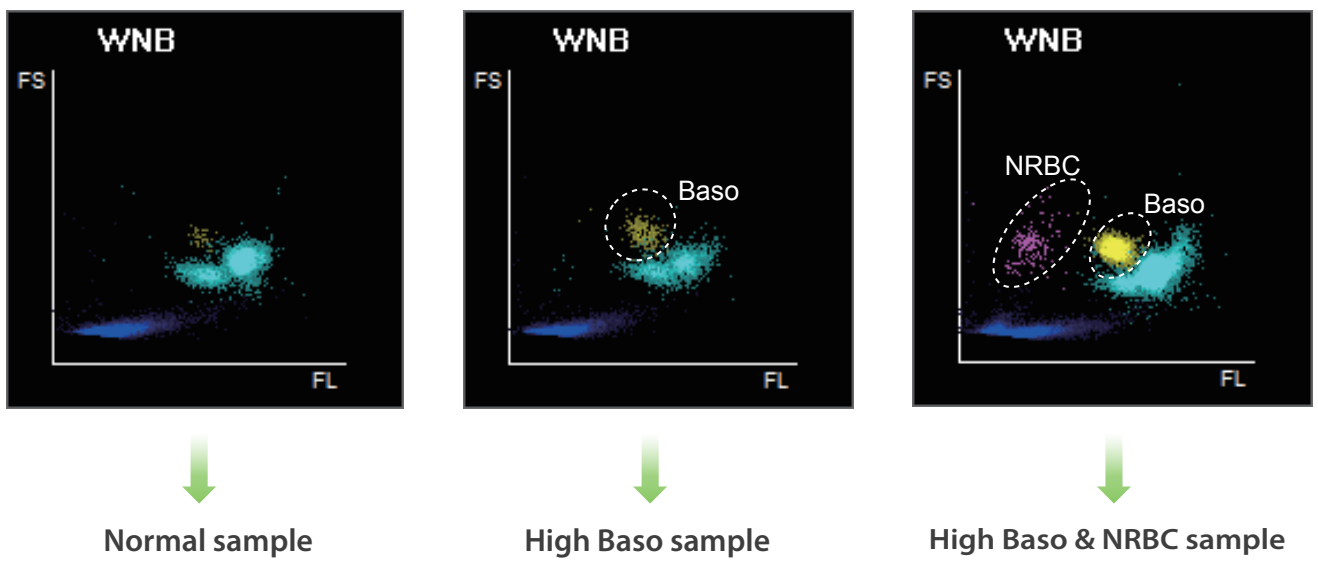
BC-6800Plus provides accurate results on samples even with high level of Basophils and NRBCs.

# ERP Channel

ERP channel is able to generate 2 three-dimension scattergrams to count Erythrocytes(RBC), Reticulocytes(RET) and Pláteletes(PLT) as well as 5 two-dimension scattergrams including RBC SCT, RBC VHF, RET, RET EXT, PLT-O.



| MPC* | HDW* |
| MPM* | HYPO%* |
| MCHr* | HYPER%* |
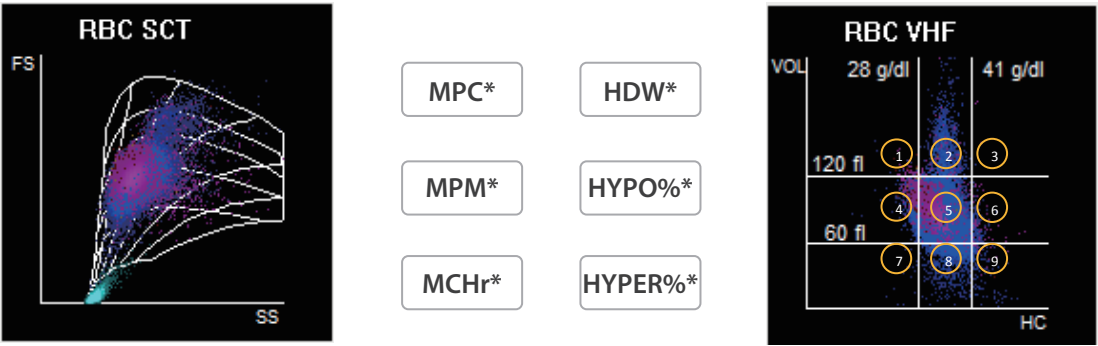


On RBC VHF scattergram, RBCs (blue) & RETs (pink) could be subdivided into 9 regions by cell size and hemoglobin concentration and provide research parameters such as MCHr, HDW*, HYPO%*, HYPER*% to assist the diagnosis of iron deficiency anemia.
MPC* and MPM* reflect the density and concentration of contents inside PLTs, which signifies the excitation status of platelets in peripheral blood. They provide a new approach to assist the diagnosis of thrombotic diseases, cardiovascular diseases and inflammations.

## RET parameters



| IRF |
| RBC-O* |
| PLT-O* |
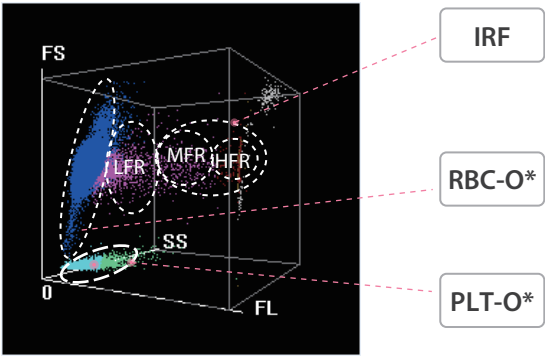
With the SF Cube cell analysis technology, Reticulocytes are differentiated from the other red cells by their reaction with fluorescent stain. Besides the traditional parameters such as RET# and RET%, BC-6800Plus provides data concerning immature reticulocytes (IRF), which can assist in early diagnosis of anemia and monitoring the bone marrow response to therapy.

## PLT-O & RBC fragments



| IPF |
| FRC* |
| PLT-O* |
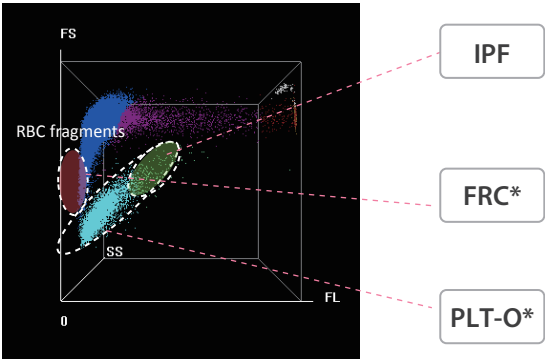
In ERP channel, PLT-O* can prevent the interferences of Fragmented Red Cells(FRC*) and offer more accurate PLT count compared to traditional technology. IPF measures the Immature Platelet Fraction, which can be used to reflect thrombopoiesis capabilities of patients.

*For research use only*

# Body fluid

Besides blood specimen, BC-6800Plus also has body fluid test function without requiring dedicated reagent. The various types of body fluids include Peritoneal fluid, Pleural fluid, Cerebrospinal fluid (CSF) and Synovial fluid.



Peritoneal fluid

**Body fluid**

Cerebrospinal fluid (CSF)

Pleural fluid

Synovial fluid
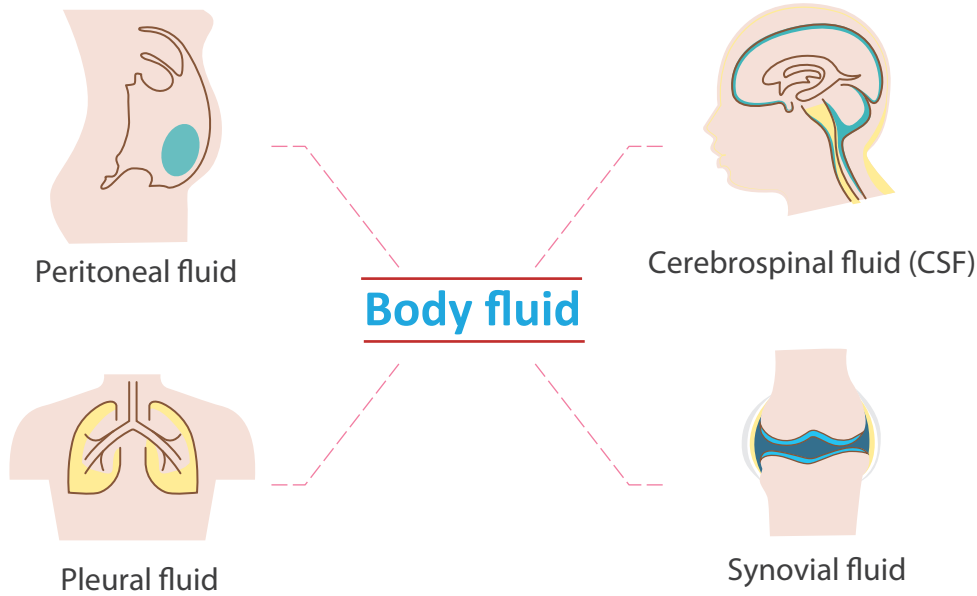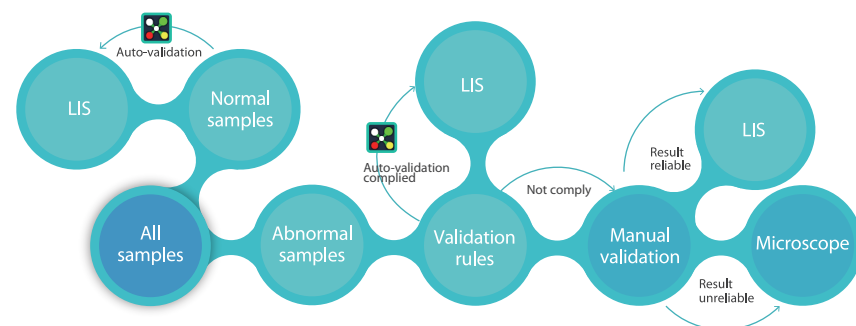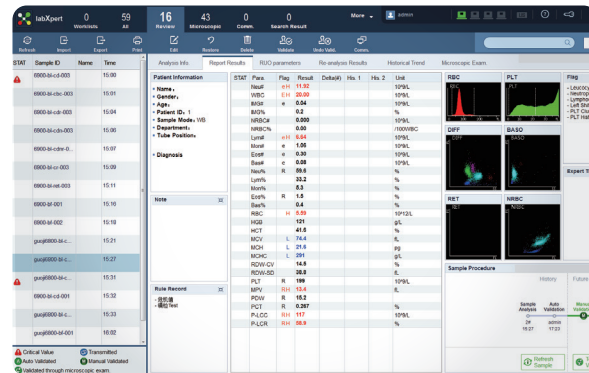
## Applicable to variety of tubes

To cater to customer's diversified needs, different types of blood collection tubes can be used on BC-6800Plus , including regular whole blood vacuum tube, capillary blood microtainer tube and Sarstedt tube.

Sarstedt tube

Whole blood vacuum tube

## More Intuitive labXpert software

LabXpert is a standard configuration of BC-6800Plus for professional data analysis.
The labXpert software optimizes functions to simplify your workflow for data analysis including improving re-exam efficiency, auto-validation for normal samples; it also provides more intuitive interface for you to review and validate pathological samples.

labXpert

Auto-validation

LIS | Normal samples

Auto-validation complied

All samples | Abnormal samples | Validation rules | Not comply | Manual validation | Result reliable | LIS

LIS

Microscope

Result unreliable

**Operation**

**Cost**

BC-6800Plus

mindray

## Less testing time

BC-6800Plus can load up to 100 samples at a time and offers a throughput of up to 200 tests per hour.

## Touch screen

BC-6800Plus can work standalone and has touch screen for basic operation by more intuitive software.

## Easy maintenance

The only maintenance for end user is daily shut down by probe cleanser or probe cleanser cleaning once per day (if not shut down). The "auto-protect" program reminds operators when maintenance is needed (if not shut down).
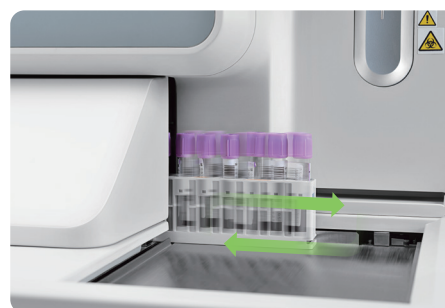
## Automatic Rerun & Reflex

Should the sample results trigger the criteria, the autoloader of BC-6800Plus can return the sample racks for an automatic rerun or reflex check.

# MC-80
## Automated Digital Cell Morphology Analyzer
### Technical Specifications

**Analysis mode**
WBC, RBC+PLT, PLT-Pro, Digital Slide
Different combinations of analysis mode could be triggered according to the results of hematology analyzer.

**Throughput**
Peripheral blood: up to 60 Slides/hour (100WBC+RBC+PLT)
*\* Values provided are approximate due to WBC concentration, number of non-WBCs and quality of the smear.*

**Oiling Method**
Automatic oil dripping

**Slide Storage Capacity**
Up to 60 completed slides at the same time

**Quality Control**
Cell location accuracy test for the verification of the hardware and stain quality

**Communication**
Bi-directional LIS
Ethernet 10/100/1000 Mbps

**Supported Printers**
Laser/inkjet printers supported by Windows

**System Components**
labXpert software
Computer with operating system of Windows 10 or above

**Data Storage Capacity**
Up to 80,000 samples
Support data and cell images archiving of peripheral blood slides

**Operating Environment**
Ambient temperature: 15℃~32℃
Relative humidity: 30%~85%
Atmospheric pressure：70.0kPa ～ 106.0kPa（Altitude height: -400 m to +3000 m）

**Power Supply**
Voltage：100 V–240 V (allowable deviation:±10%)
Frequency：50Hz/60Hz (allowable deviation: ±2Hz)
Power：300VA

**Dimensions and Weight**
Analyzer dimensions
Width×Depth×Height ≤ 600mm×570mm× 700mm
Analyzer weight ≤100 kg

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**Diverse configurations to meet all kinds of demands**

### CAL 6000

Width×Depth×Height : 2970×1030× 810 (mm)

### CAL 8000

Width×Depth×Height : 5360×1030× 1470 (mm)

# MC-80
## Automated Digital Cell Morphology Analyzer

# More Clarity. More Intelligence. More Productivity.

**mindray**
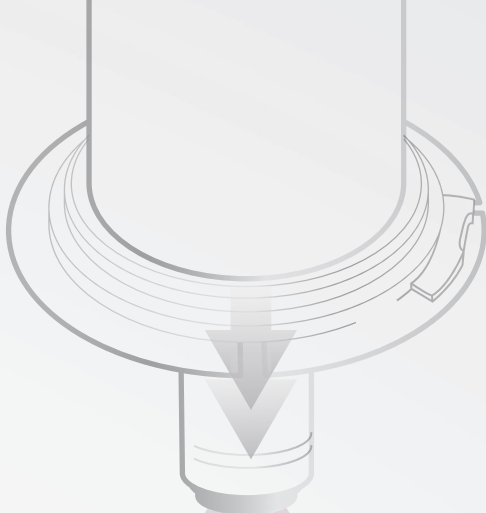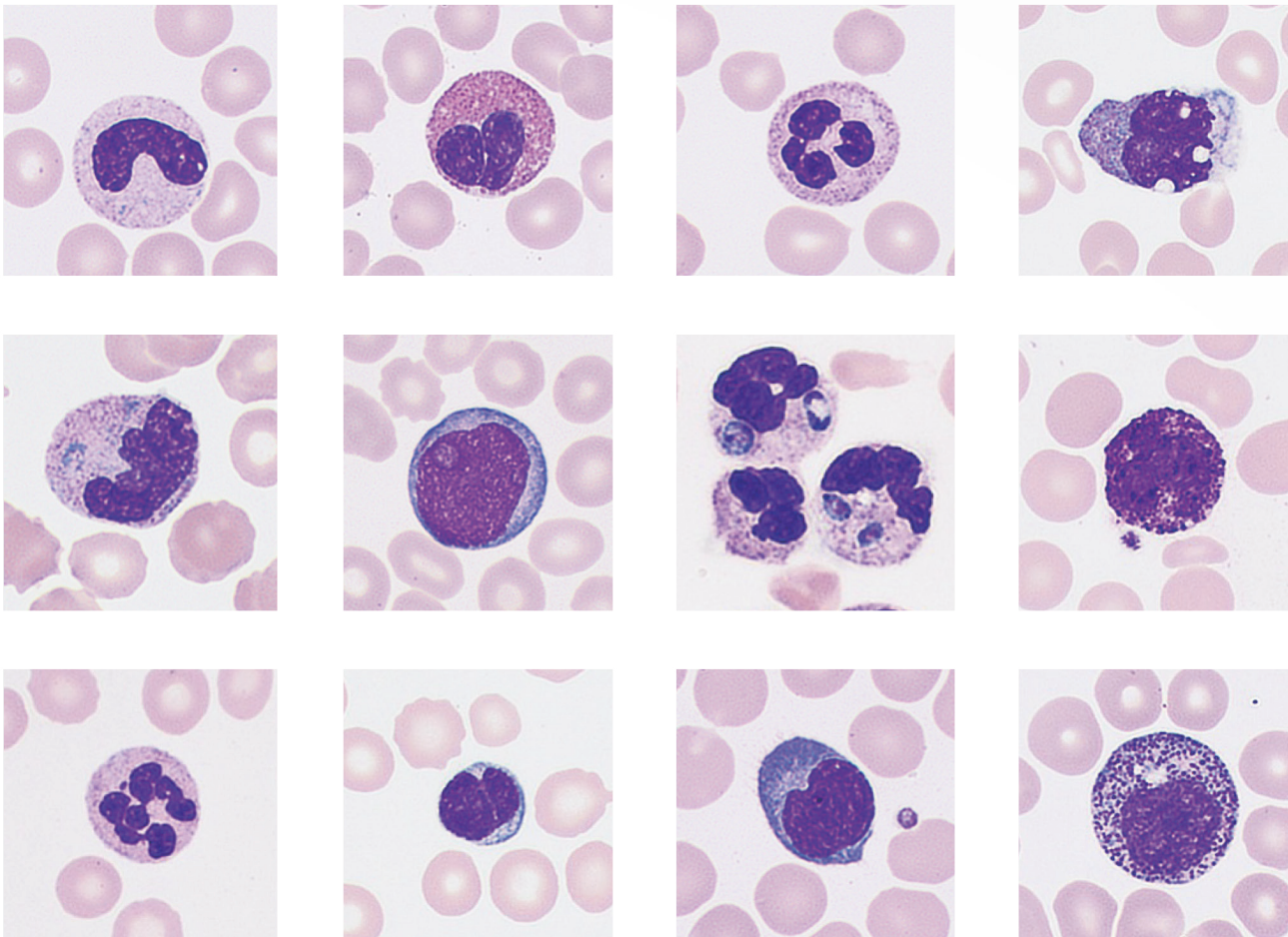healthcare within reach

# MC-80

Automated Digital Cell Morphology Analyzer

## More Clarity

### ⬡ Display the ultra clarity and authenticity of each cell

The high-performance objective lens and advanced image sensor offer ultra resolution images to reappear the real view under the microscope.



### ◉ Capture comprehensive pathological features of each cell

**Multi-layer fusion technology**

Simulates manual focus adjustment and accurately restores the pathological features of cells, which is helpful for early screening of blood diseases (such as acute promyelocytic leukemia) and infectious diseases.

High-speed continuous capturing
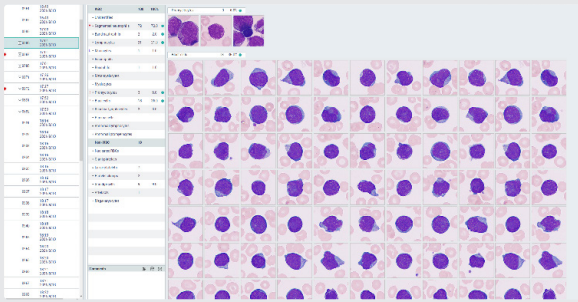
Fuses all images to capture concise pathological features
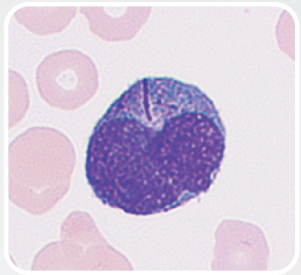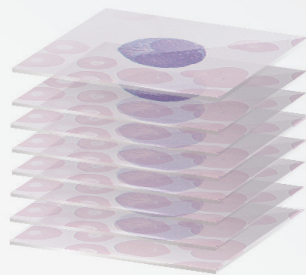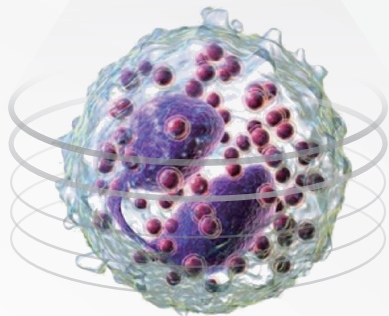
Capture all details with more than **20** depths of field
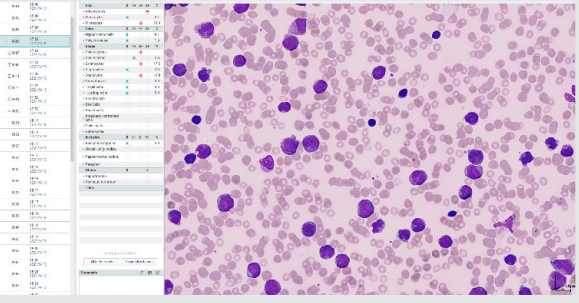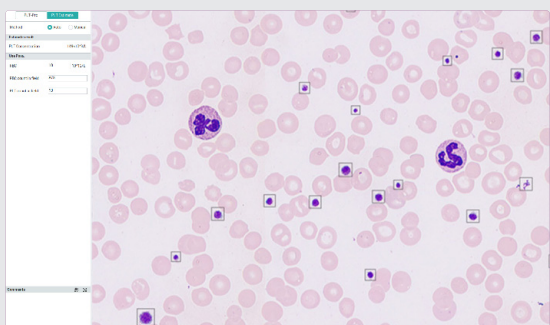
# More Intelligence

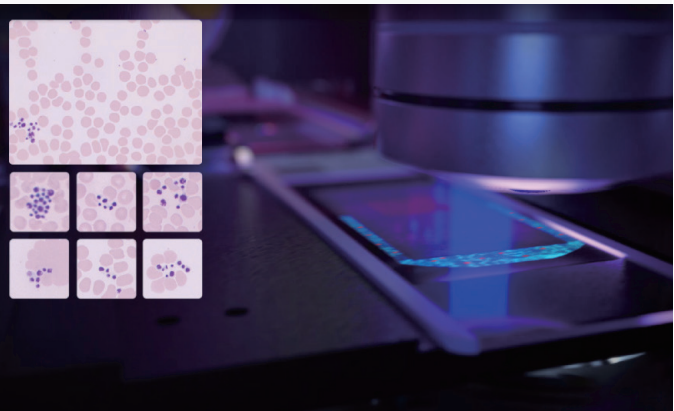## Reliable cell pre-classification and pre-characterization



— Accurately pre-classifies white blood cells, especially abnormal cells, such as blast cells, reactive lymphocytes, etc.



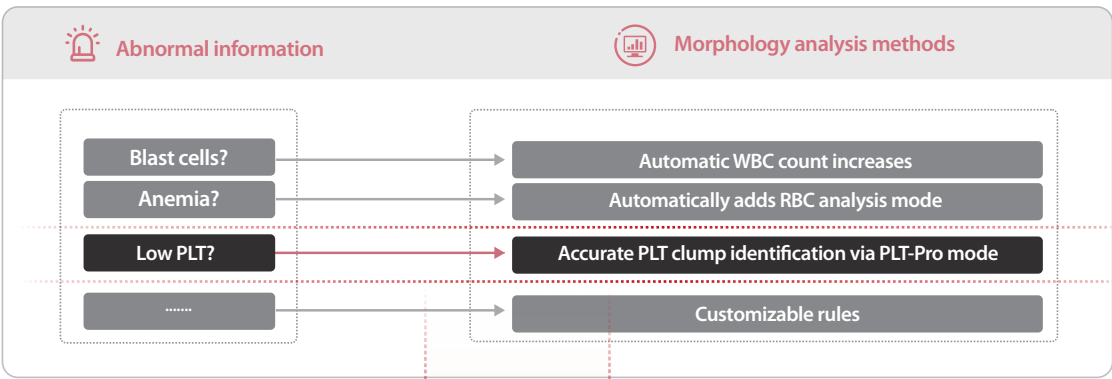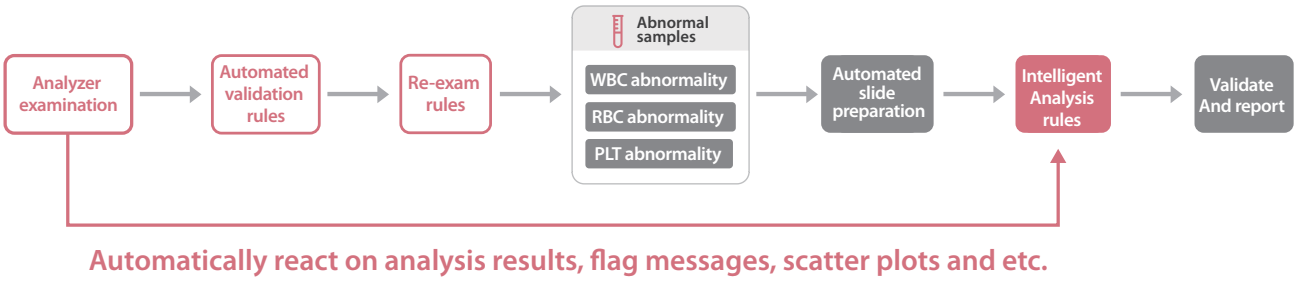— Pre-characterized RBC morphology can be modified with one click.
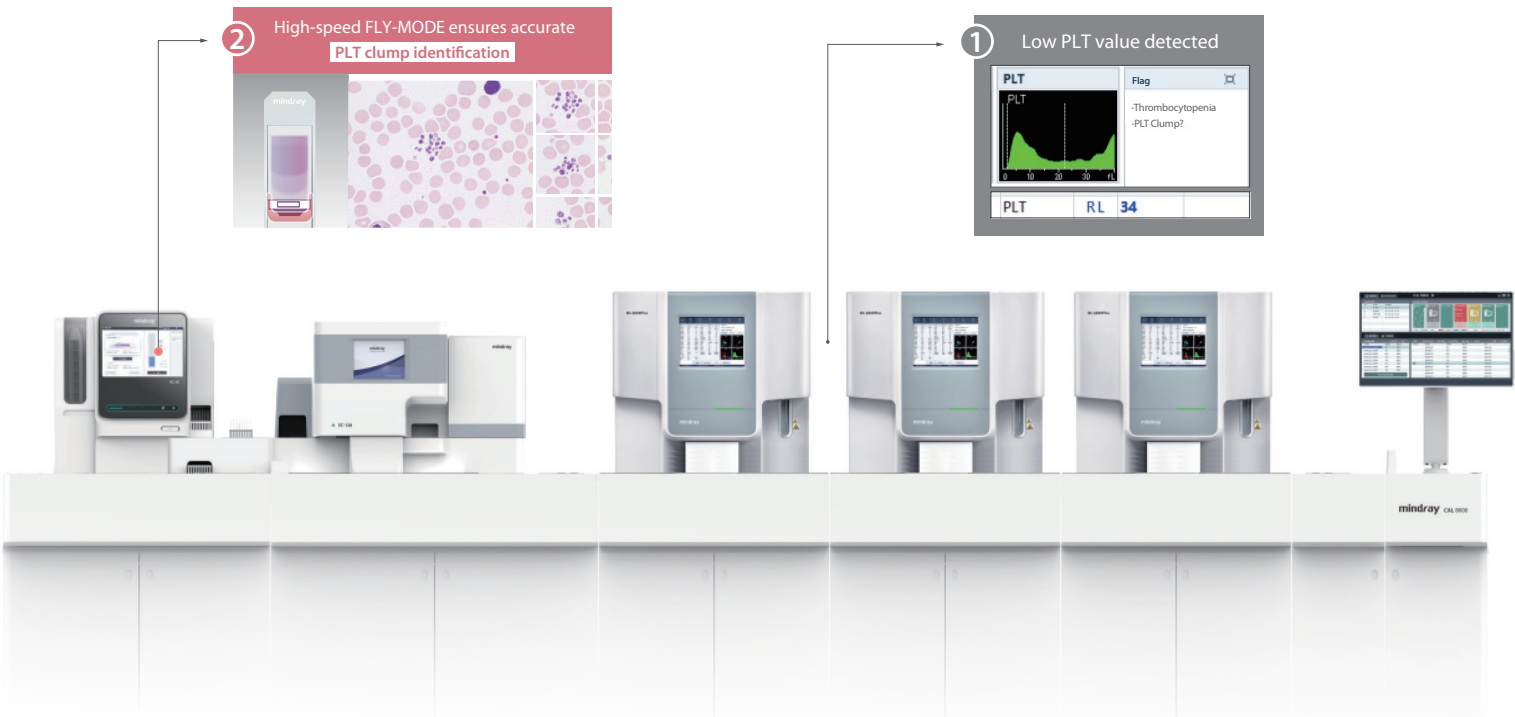


— PLT counting assistance

High-speed FLY-MODE ensures the accurate
**PLT clump identification**



## Intelligent analysis rules facilitate a smart process and less manual intervention



Analyzer examination → Automated validation rules → Re-exam rules → Abnormal samples [ WBC abnormality / RBC abnormality / PLT abnormality ] → Automated slide preparation → Intelligent Analysis rules → Validate And report

**Automatically react on analysis results, flag messages, scatter plots and etc.**

### Abnormal information / Morphology analysis methods

| Abnormal information | Morphology analysis methods |
|---|---|
| Blast cells? | Automatic WBC count increases |
| Anemia? | Automatically adds RBC analysis mode |
| Low PLT? | Accurate PLT clump identification via PLT-Pro mode |
| ……… | Customizable rules |

**Smarter process and less manual intervention
via intelligent analysis rules**

② High-speed FLY-MODE ensures accurate PLT clump identification

① Low PLT value detected

PLT — Flag
- Thrombocytopenia
- PLT Clump?

PLT   R L   34

# More Productivity



**60 Slides/hour**
*Industry-leading high throughput*

**SOLID ROCK** Hyper-stable anti-shake **system:** Aerospace materials and cutting-edge high-frequency exposure algorithm are integrated to eliminate blurred images.

## Remote review and consultation in multiple locations



Remote validation and consultation

Satellite Lab - A

Core Lab

Satellite Lab - B

Satellite Lab - C
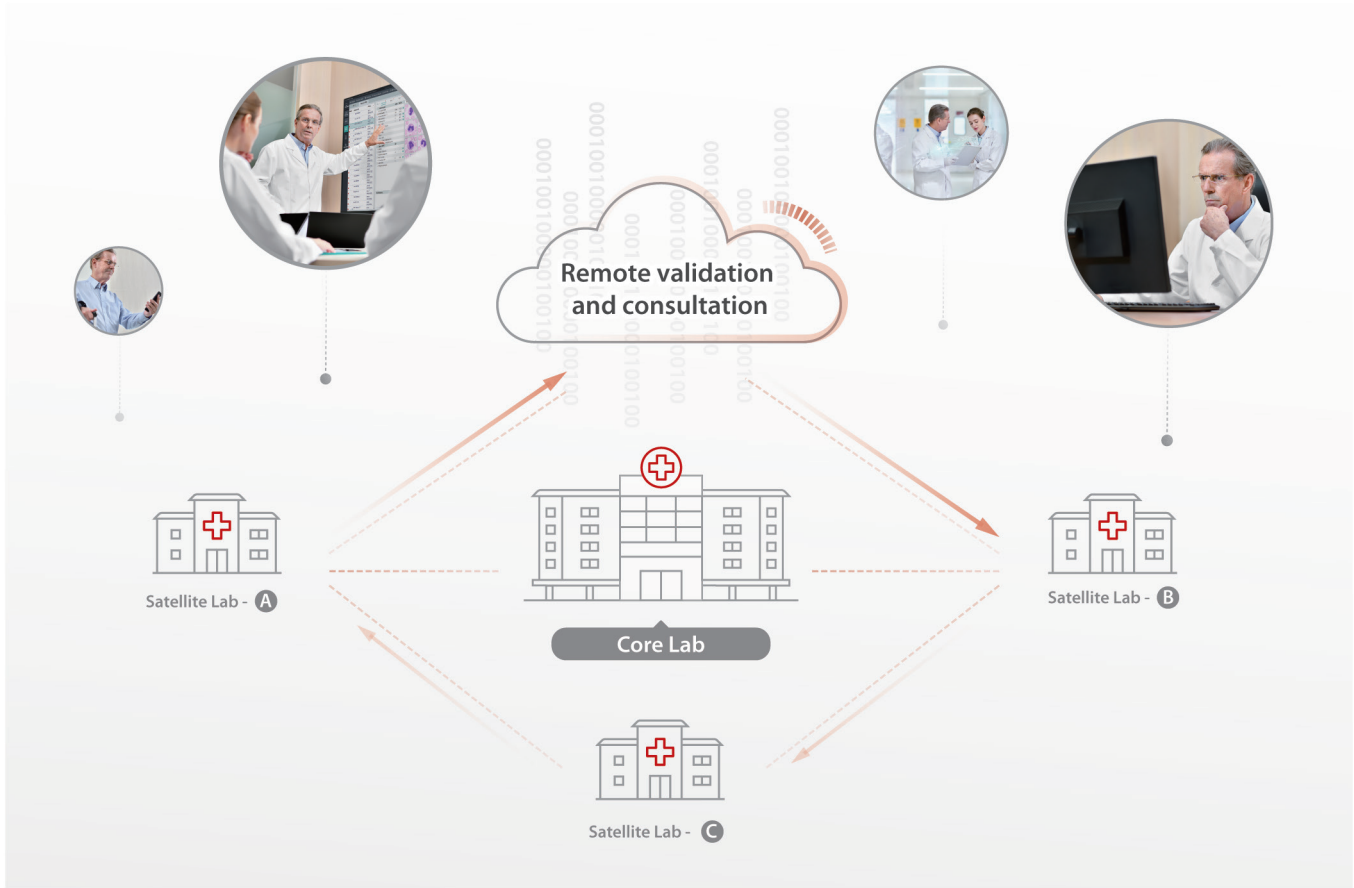


Automatically receives prepared smears

Easily search and take slides with one click

**User-friendly and intuitive workflow**

High-end touch screen for Intuitive interactions

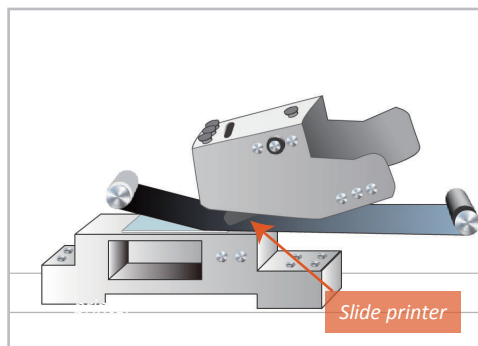STAT function for urgent cases

# SC-120

Slide Maker & Stainer

Reliable automation, High-class blood smear

**mindray**

healthcare within reach

The 7.8 inch LED touch screen is used for management of smear and reagent, performing basic operation and maintenance.



Slide printer

All patient information, including 1D or 2D barcode, number, as well as text could be printed on the frosted glass area of the slide with a durable thermal printer.

# 01 Reliable



Configurations

SC-120 is a standalone unit and it could also be integrated into the Mindray CAL 8000 cellular analysis line.

# 02 Automated



Cassette

The cassette, which is used for carrying glass slides could be easily loaded from the front of SC-120, and be automatically transported inside by the track.



STAT & Micro Samples(40μL)

Loading slides (150 slides capacity)
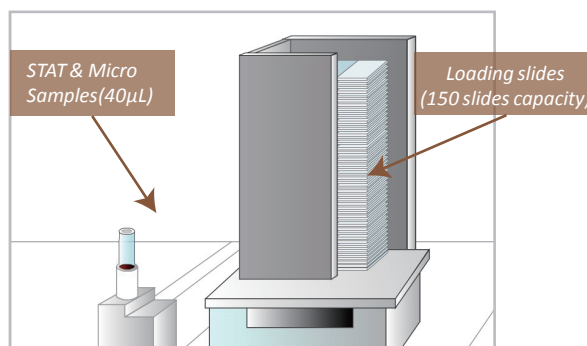
The STAT position ensures a faster blood smear preparation. This position can handle micro-samples requiring only 40μL blood, this is the smallest blood requirement in the hematology industry. Users are able to load up to 150 slides at a time into SC-120 for reducing the turn around time.

# 03 High class

The blood spreader(or pusher) blade is made of highly durable sapphire glass. The blood volume requirement and the speed as well as angle of the blood spreader (or pusher) are automatically adjusted according to the blood sample's consistency.

*Slide making*
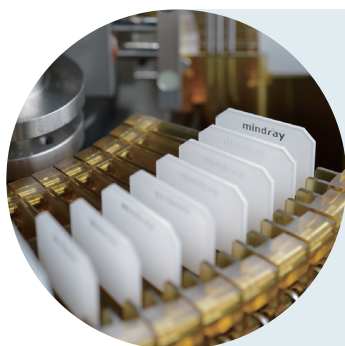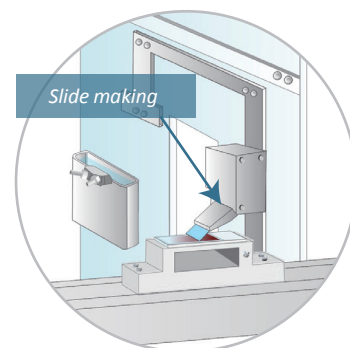
## Staining Cassette

Each staining cassette holds single slide for staining, this eliminates the problem of stain evaporation and these cassettes could be cleaned automatically without any manual interventions.

*Staining tank*
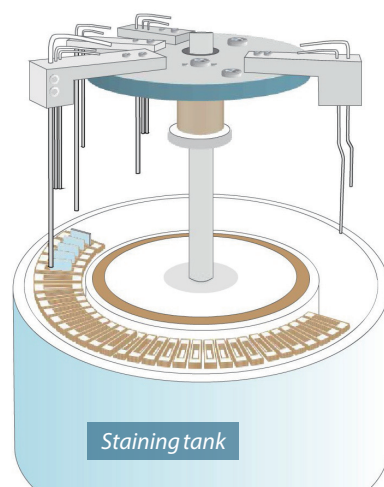
SC-120 supports the globally common stain protocols including Wright stain, Wright-Giemsa stain and May-Grunwald-Giemsa stain. The stain A could be recycled up to 20 times, this saves over 50% the stain compared to the conventional technologies.

*Slide drying (Before staining)*

*Slide drying (After staining)*
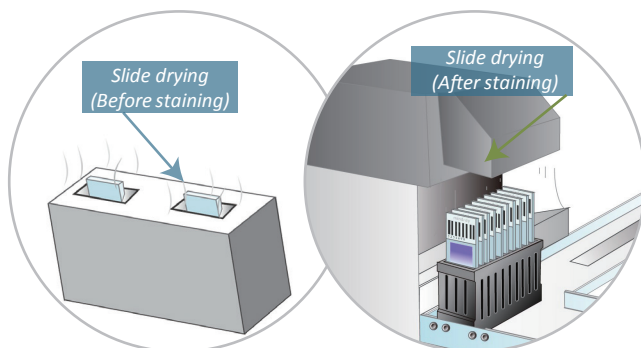
All slides are heat dried before and after staining. This optimizes staining quality and reduces contamination risk for the users.

## Output

Both, the stained and dried slides are held in the cassettes at the output area where they are ready for a microscope review.

# SC-120
## Slide Maker & Stainer

**Technical Specifications**

Technology
Automated slide making & staining by single instrument
Automated detection of blood consistency and automated adjustment of blood volume, angle & speed of spreader(or pusher) accordingly to optimize quality of smear (or blood film)

Stain protocols
Wright stain,
Wright-Giemsa stain
May-Grunwald-Giemsa stain
With possibility to recycle stains up to 20 times

Throughput
Up to 120 stained slides per hour

Sample volume
200µL (autoloader and on track mode)
40µL (Micro-sample mode)

Printer
Built-in thermal printer for printing patient information including:
1D or 2D barcode, Number and Text

Interface
LAN port * 1, USB port * 4

Configurations
Standalone or on track (CAL 8000 cellular analysis line)

Autoloader
Load up to 50 sample tubes at once, random access

Cassette
Load up to 10 cassettes at once, each cassettes can hold up to 10 sides

Reagents & Consumables
Stains, Buffer fluid, Diluent, Probe cleanser, slides (Mindray provided)
Methanol, Deionized water (Locally sourced)

Reagent consumption
User-definable permitting up to 20 times recycling of stains

Sample selectivity
Automatic slide making & staining based on user-definable re-exam criteria

Slide
1-5 slides at a time per sample

Spreader blade material
Sapphire glass

Dimensions/Weight

| Configuration | Unit | Width(mm) | Height(mm) | Depth(mm) | Weight(kg) |
|---|---|---|---|---|---|
| Standalone | Main unit | 845 | 610 | 910 | 200 |
| | Pneumatic unit | 305 | 425 | 475 | 25 |
| On track | Main unit | 845 | 610 | 815 | 185 |
| | Pneumatic unit(in conveyor) | / | / | / | / |

**mindray**