

Smarter workstation,  
Simpler workflow



## CAL 8000

New Generation Cellular Analysis Line



125 ~500 samples



120~240 slides

### Simpler Workflow

Workflow with CAL 8000 makes a big difference. Onboard management software together with optimized DMU software help users organize their workflow better.

### Adaptive Solutions

Various configurations of CAL 8000 from 1+1 to 4+2 can fit different types of customers from 125 tests per hour to 500 tests per hour throughput requirements.

### Less Blood Smears

BC-6800 utilizes the Mindray's unique SF Cube to analyze blood cells, which can construct a 3D scattergram making bigger distance between each cluster of blood cells to ensure a more accurate flags for pathological samples. It means, less false positive and false negative rates resulting in less blood smears.



# Dynamic Automation, High Quality Blood Smear

## SC-120 Slide Maker & Stainer



Up to 120 slides



### Dynamic

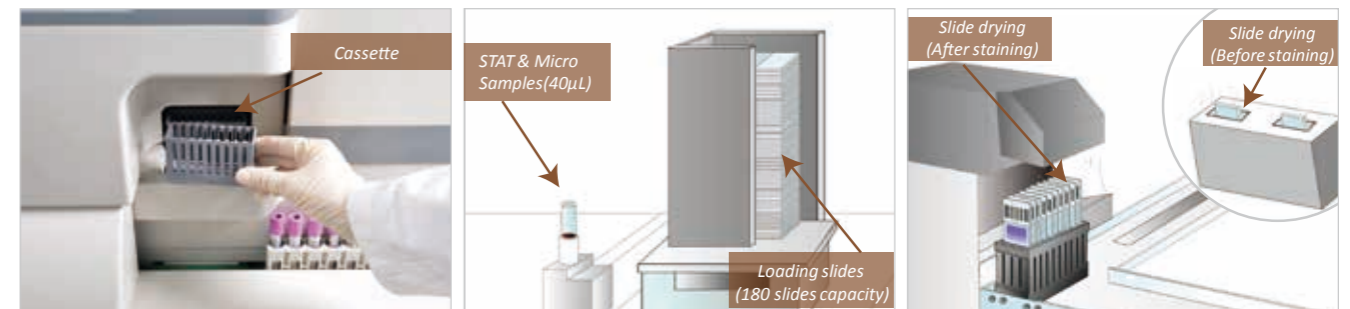
SC-120 is a stand-alone unit and it could also be integrated into the Mindray CAL 8000 cellular analysis line.

### Automated

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. The STAT position ensures a faster blood smear preparation.

### High Quality

The blood spreader(or pusher) blade is made of highly durable sapphire glass. 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. All slides are heat dried before and after staining. This optimizes staining quality and reduces contamination risk for the users.



# Envision Higher Clinical Value for ALL Labs



## BC-6000 Series

The BC-6000 Series, including the Auto Hematology Analyzers BC-6000, BC-6200 and BC-6800Plus, as well as the Cellular Analysis Line CAL 6000, are developed to address real challenges in frontline clinical settings. The BC-6000 Series delivers more than expected in terms of **Value, Operation and Cost performance.**

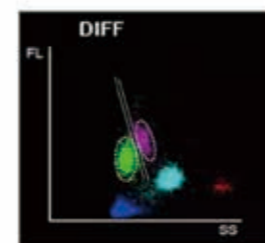
### Value +

#### New SF cube technology

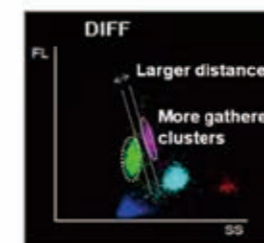
Inheriting from Mindray's high end hematology platforms, the SF cube cellular analysis technology is upgraded with newly designed optics and reagent systems. It can help doctors to better differentiate the clusters of cells, thus revealing more abnormal cells.

#### NRBC result in every CBC

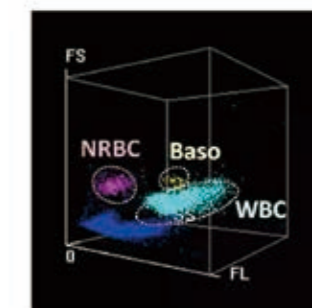
In the WNB channel, Mindray BC-6000 Series Hematology Analyzers produce NRBCs, Basophils and WBCs results without extra reagent or cost. NRBCs can be well differentiated from Basophils and WBCs on the systems, ensuring more accurate WBC counting and helping doctors to diagnose hemolytic anemia and monitor hematopoietic diseases.



Old SF Cube

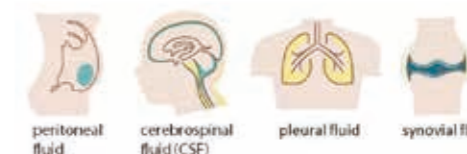


New SF Cube



#### Body fluid tests

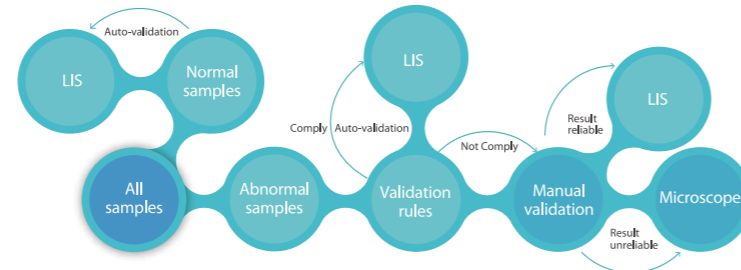
Besides blood samples, the BC-6000 Series can analyze body fluid -- including peritoneal fluid, pleural fluid, cerebrospinal fluid (CSF) and synovial fluid -- without requiring dedicated reagents.



**Operation +**

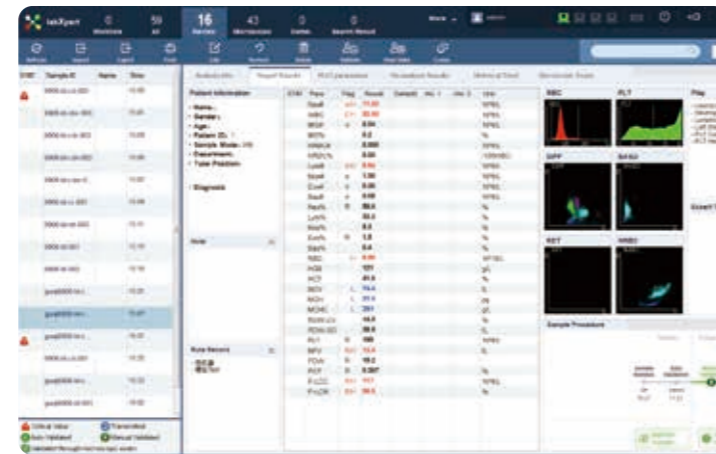
**More intuitive labXpert software**

The labXpert software is a standard configuration of the BC-6000 Series for professional data analysis. The upgraded software optimizes data analysis with auto-validation and auto onboard "re-exam" functions. It also has more intuitive interface, with all necessary information shown on one screen for easier review and manual validation.



**Auto rerun and reflex**

Auto rerun and reflex is another innovative feature of the BC-6000 Series to optimize operation process. Should the sample results trigger the pre-set criteria, the autoloader of the systems automatically returns the sample racks backwards for a rerun or reflex check.



**Cost Performance +**

**Less reagents for routine tests**

Compared to the last of similar model, the BC-6000 Series uses less reagents for CBC+DIFF+NRBC tests.

**BC-6000**  
Auto Hematology Analyzer



Throughput: 110 tests/hour  
Loading capacity: 50  
CBC+DIFF

**BC-6200**  
Auto Hematology Analyzer



Throughput: 110 tests/hour  
Loading capacity: 50  
CBC+DIFF+RET

**BC-6800Plus**  
Auto Hematology Analyzer



Throughput: 200 tests/hour  
Loading capacity: 100



**CAL 6000**  
Cellular Analysis Line

Benchtop design  
2 units of BC-6000 + 1 unit of SC-120, or  
2 units of BC-6200 + 1 unit of SC-120  
Throughput : 220 sample tests/hour  
120 slides/hour

# Small Cube, Big Difference



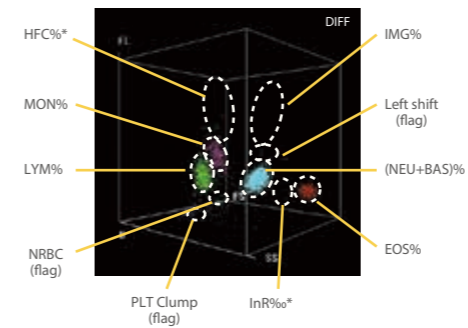
## BC-6800 Auto Hematology Analyzer



Up to 125 samples (CBC+DIFF)  
Up to 90 samples (CBC+DIFF+RET)  
Up to 40 samples (body fluid)

### SF Cube

Using 3D scattergram, clusters are well separated which helps in detecting abnormal cells, if any. DIFF scattergram of BC-6800 differentiates WBCs into 4 parts and also provides valuable parameters like HFC\*, IMG\* InR\* and abnormal flags such as Left shift, NRBC, PLT Clump, Atypical Lymphocyte.

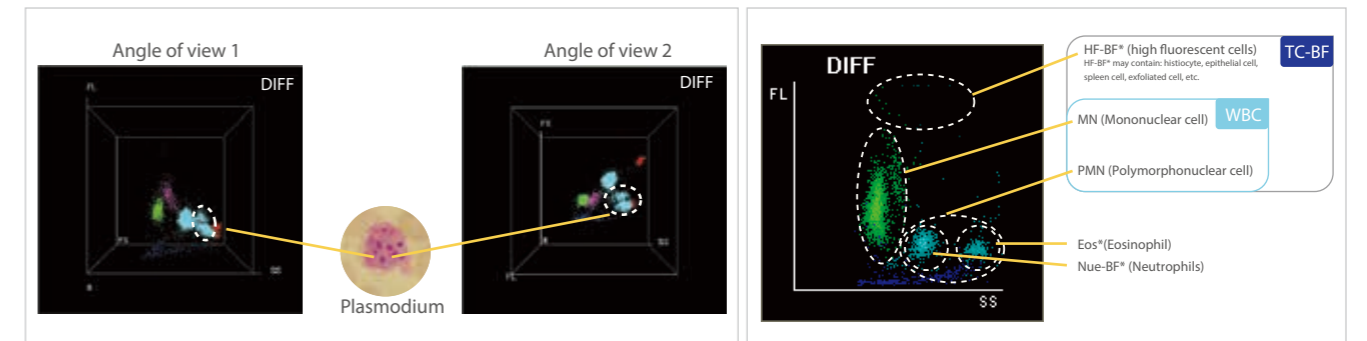


### Advanced Cells Screening

Dedicated flags called "infected RBC?" and "InR\*(#,%)" parameters can be provided as the possible presence of plasmodium parasite, the causative agent of malaria infection.

Other advanced features like lipid particle interference prevention, low WBC value with extended count time, 4 counting channels to assure WBC numbers, Body fluid analysis and etc.

\*For research use only



# A Compact yet Powerful 5-part



## BC-5150/5000 Auto Hematology Analyzer

### Proven Technology

Tri-angle laser scatter + focused flow + chemical dye, creating the possibility for a better 5-part WBC differentiation even on samples with high Eosinophil.

### Compact Power

BC-5150/5000 is a dedicated 5-part hematology analyzer with the state of the art technology, simple operations, fewer reagents, all in a smaller more affordable package that will fit any clinician's budget and space.



Throughput  
60  
per hour

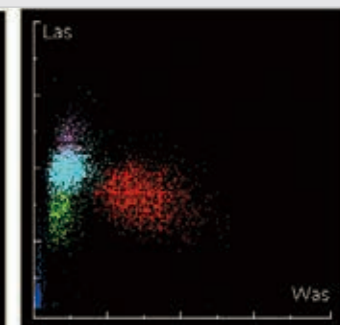
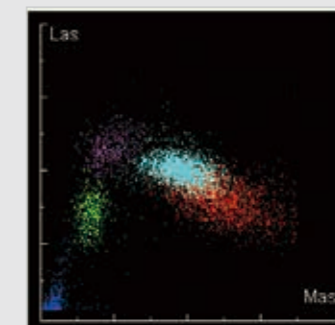
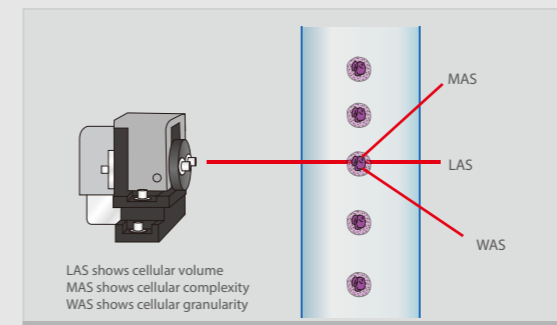


BC-5150

Throughput  
40  
per hour



BC-5000

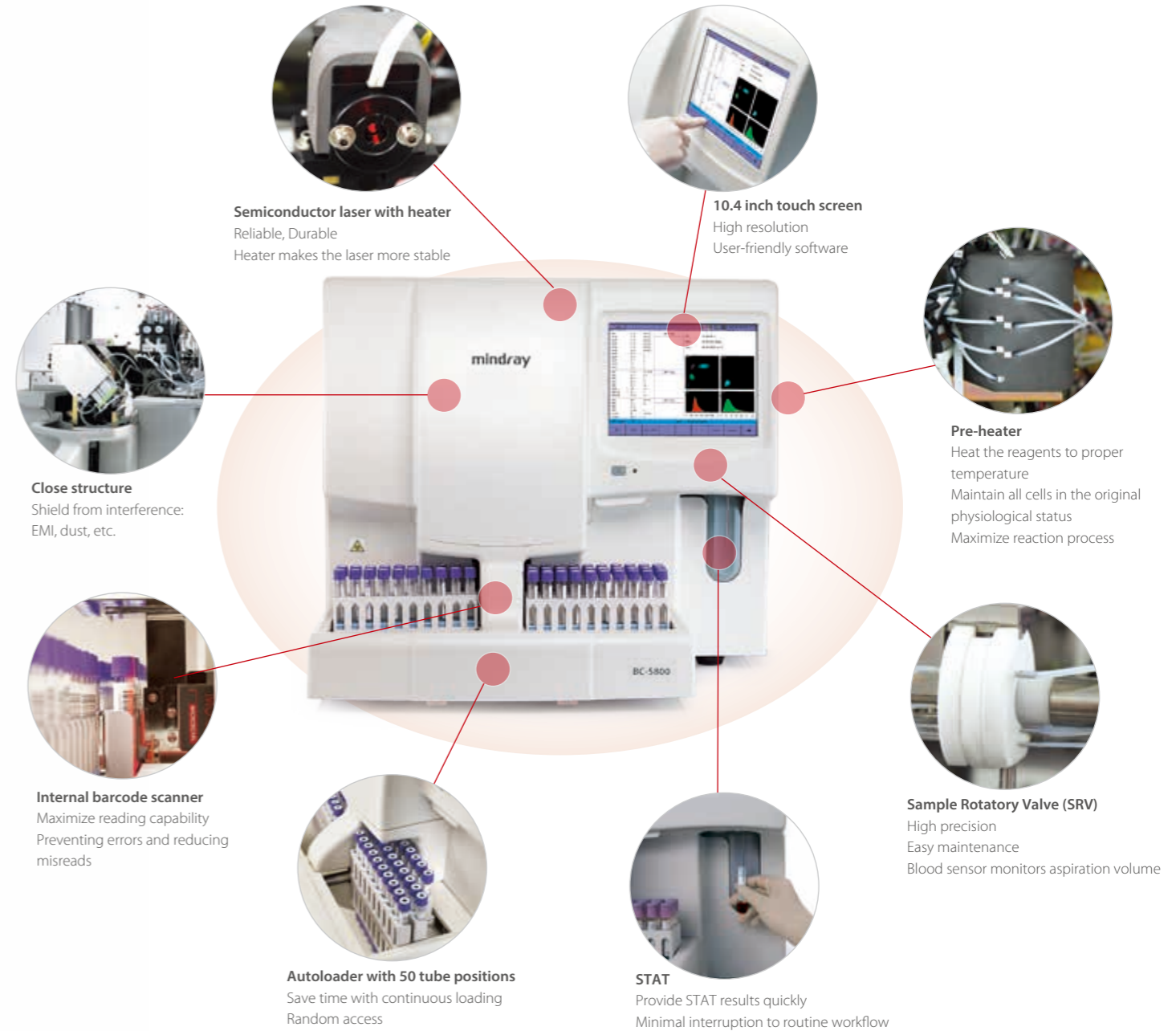
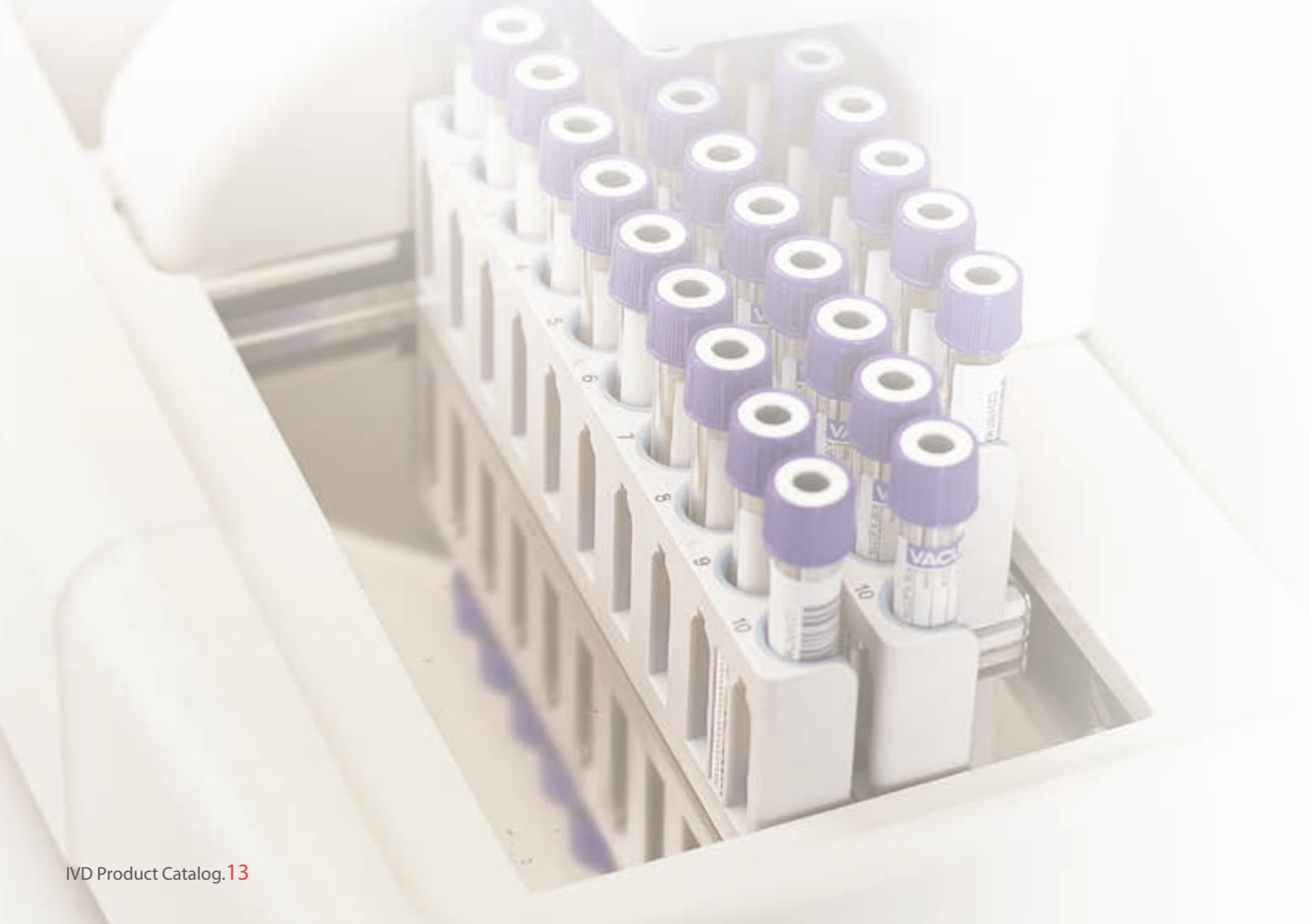


# BC-5800

## Auto Hematology Analyzer

Throughput  
**90**  
 per hour  
 Up to 90 samples

With proven technology, enhanced structure and components, bigger capacity of autoloader and more user-friendly software, BC-5800 is your good partner and best option for high sample volume clinics.





## BC-5300/5380 Auto Hematology Analyzer

### Flexible Configuration

Similar features and specification with flexible configurations allows you for different assembly.

### Proven Technology

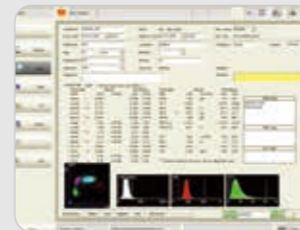
Semi-conductor laser scatter combined with chemical dye method and advanced flow cytometry ensure you accurate results.



Up to 60 samples  
(autoloader & open vial)



Up to 50 samples  
(close tube)



BC-5300



Autoloader



BC-5380



1 tube solution for  
CBC+DIFF and CRP



## BC-5390 CRP Automated Hematology Analyzer

### Convenient



Capillary whole blood mode



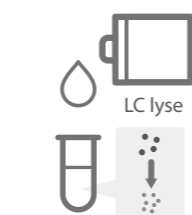
Thermostat storage and RF technology



Individual CRP mode

### Rapid

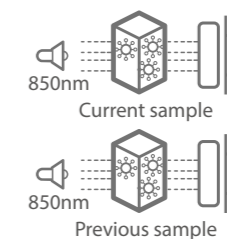
Dual CRP Analysis Channels for High Throughput



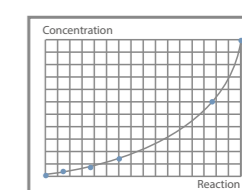
Lysed RBCs  
eliminate interference



Antibody-antigen  
interaction



Dual channel  
turbidimetric measurement



Calculation  
and modification

### Precise

Latex Immunoturbidimetric Technology

# Minimum Size, Maximum Capability



## BC-30s/20s Auto Hematology Analyzer

### What a 3-part should be

At Mindray we pride ourselves in our dedication and experience in developing better solutions for small labs. Our new line of 3-part hematology analyzers is the culmination of that effort. Compact yet powerful, full featured yet affordable, the BC-30s/20s is what a 3-part analyzer should be.

### Advanced Usability Features

The high-resolution 10.4/8.4 inch TFT touch screen display offers better visual for sample review. Optimized usability such as USB connection, WIFI capability, providing detailed flag information ensures you pleasant operation experience.

Throughput  
70  
per hour



BC-30s

Throughput  
40  
per hour



BC-20s



Minimum Size,  
Maximum Capability



## BC-10/20/30 Auto Hematology Analyzer



BC-10



BC-20



BC-30

### More confidence in results

Advanced detailed flag information provides warning in case of abnormal cell results. High quality original reagent calibrator and quality controls maintain your work at a high level. We integrate technologies into our products to fulfill your clinical needs.

### Saving more time

Smart and intuitive software bring your productivity up to a new level. The TFT touch screen makes operations easy and flexible, maximizing your efficiency. The large 400,000 storage capacity gives you an optimized solution to managing previous patients' data. The smart software can detect and remove operational errors, as well as run automatic maintenance with a single click.

### Less downtime

Quality and user experience are top priorities for Mindray. We design and manage our manufacturing processes in compliance with FDA, ISO and CE. Complete quality control systems in Mindray's manufacturing centers ensure we exceed the most stringent criteria and traceability throughout the entire process. Our professional and responsive support team makes sure your systems are kept at full capability.



Smallest footprint



Convenient, fast



Perfect for pediatric samples

# Advanced and Robust 3-Part



## BC-3600 Auto Hematology Analyzer



### Intuitive and Powerful Software

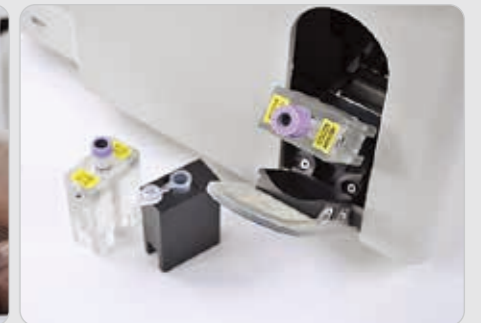
The well organized software interface eases your operation and gives you easy control of sample results, patient records, and report customizations.

### Complete Data Communication

Integrated HL7 communication protocol makes your LIS connection easier. A wide selection of interface options are available including RS232 for computer connection, USB for QC assay values upload, barcode scanner, and key board connection.

### Intuitive and Efficient

Efficient ZAP and flush method removes clog completely. For closed sampling mode, 3 types of tube adaptors are provided to satisfy individual laboratory needs. With the on-line reminder function, users can conveniently monitor the reagent residual volumes through the software.



# 3-part series hematology analyzer

## Your reliable partner for 3-part analysis

**BC-2300**  
Hematology Analyzer



### Specifications:

- Semi auto with built-in dilutor
- 19 parameters + 3 histograms
- 2 counting modes
- 10,000 sample results including histograms can be saved.



**BC-2800**  
Auto Hematology Analyzer



### Specifications:

- Open vial
- 19 parameters + 3 histograms
- 6 counting modes
- 10,000 sample results including histograms can be saved.

**BC-3000Plus**  
Auto Hematology Analyzer



### Specifications:

- Open vial
- 19 parameters + 3 histograms
- 2 counting modes
- 35,000 sample results including histograms can be saved.

# "CUTE" solution for veterinary hematology



## BC-5000Vet

Auto Hematology Analyzer

### Animals Species

16 animal types including Dog, Cat, Horse, Monkey, Rat, Mouse, Rabbit, Pig, Panda, Red panda, Cow, Llama, Goat, Sheep, Ferret and Camel\*. + 20 self-programmed animals.

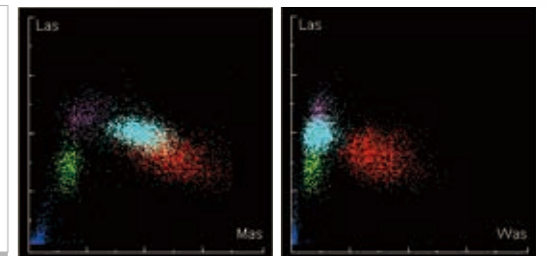
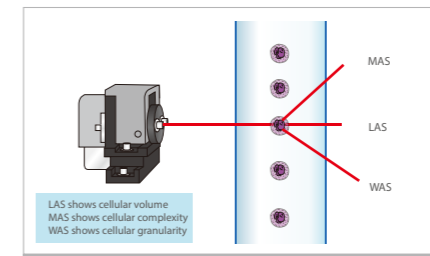
(\* coming soon)

### "CUTE" Solution

CUTE stands for Compact, Utility, Technology and Efficiency. BC-5000Vet is a dedicated veterinary 5-part hematology analyzer with the state-of-the-art technology, simple operations, fewer reagents, all in a smaller more affordable package that will fit any veterinarians budget and space.



Up to 60 samples





## BC-2800Vet Auto Hematology Analyzer



### Animals Species

13 animal types including Dog, Cat, Horse, Rat, Mouse, Rabbit, Monkey, Cow, Pig, Buffalo, Sheep, Camel and Goat.

### Compact Structure

The compact BC-2800Vet is less than 23kgs with small footprint. It will fit any small clinic's requirement with limited space.

### Reliable Performance

Independent counting system for each species to ensure high accuracy as well as fully integrated calibration and quality control programs.

