BC-6000

Auto Hematology Analyzer

Principles

SF Cube* method to count WBC, 5-Part diff and NRBC DC impedance method for RBC and PLT Cyanide free reagent for hemoglobin test *S: Scatter; F: Fluorescence; Cube: 3D analysis

Parameters

29 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

20 Research parameters (whole blood): HFC#, HFC%, WBC-D, TNC-D, IME%, IME#, H-NR%, L-NR%, NLR, PLR, WBC-N, TNC-N, InR#, InR%, Micro#, Micro%, Macro#, Macro%, PDW-SD, PLT-I 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
- 2 Three-dimension scatter grams: DIFF, WNB
- 2 Two-dimension scatter grams: DIFF, WNB

Mode

CBC, CBC+DIFF

Data storage capacity

Up to 10,0000 results including numeric and graphical information

Operating environment

Temperature: 15 °C ~32 °C Humidity: 30%~85%

Performance

Parameter	Linearity Range	Precision	Carryover
WBC	0-500×109/L	≤2.5% (≥4×10 ⁹ /L)	≤1.0 ⁰ / ₀
RBC	0-8.60×10 ¹² /L	≤1.5% (≥3.5×10 ¹² /L)	≤1.0 ⁰ / ₀
HGB	0-260g/L	≤1.0% (110-180g/L)	≤1.0 ⁰ / ₀
HCT	0-75%	≤1.5% (30%-50%)	≤1.0 ⁰ / ₀
PLT	0-5000×109/L	≤4.0% (≥100×10 ⁹ /L)	≤1.0 ⁰ / ₀

Sample volume

Whole blood (Autoloader, Closed Tube)	80uL
Capillary blood (Closed Tube)	35uL
Predilute (Closed Tube)	20uL
Body fluid (Closed Tube)	85uL

Throughput

Up to 110 samples per hour (CBC+DIFF) Up to 40 samples per hour (Body fluid)

Loading capacity

Up to 50 sample tubes



Mindray Building, Keji 12th Road South, High-tech Industrial Park, Nanshan, Shenzhen 518057, P.R. China Tel: +86 755 8188 8998 Fax: +86 755 26582680 E-mail: intl-market@mindray.com www.mindray.com mindray | Numbers within mosts are registered trademarks or trademarks owned by Shenzhen Mindray Bio-medical Electronics Co., LTD.

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BC-6000Auto Hematology Analyzer

High Performance for ALL



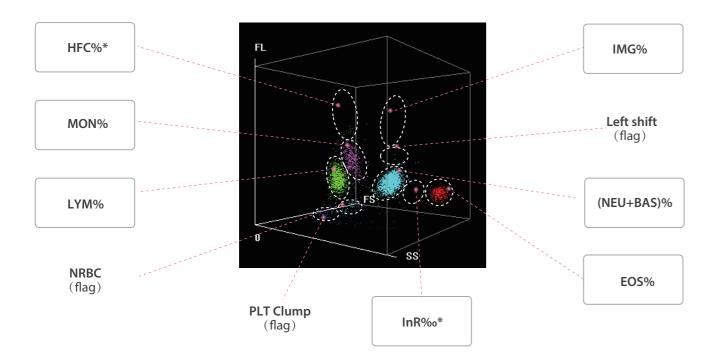
At Mindray, we seek to understand the needs of every customer, and deliver tailor-made solutions. Before designing any product, we listen to the Voice Of Customers and bear in mind the challenges they face. In today's laboratories, lab managers are looking for an analyzer with greater clinical values,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

Mindray BC-6000 fulfills all these requirements and exceeds your expectations with so much more in terms of **Value**,





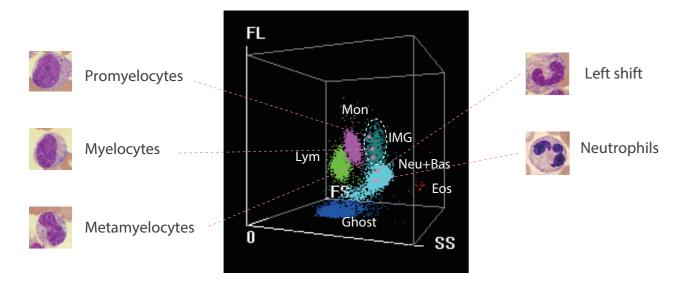
DIFF Channel



In DIFF scattergram, BC-6000 not only gives WBC 5-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.

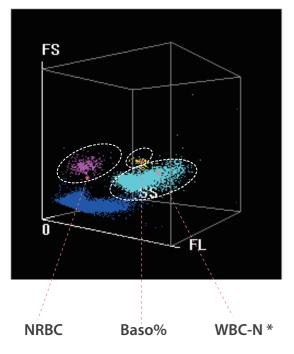
HFC*(#, %) parameters represent high population of fluorescent cell, such as Blasts and Atypical Lymphocytes.

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



^{*}For research use only

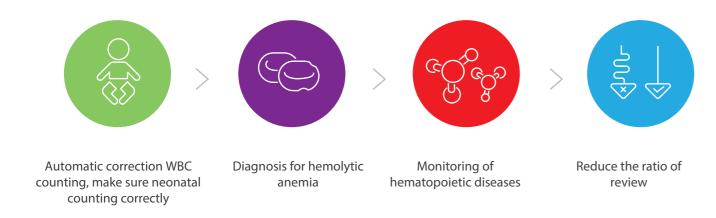
WNB Channel



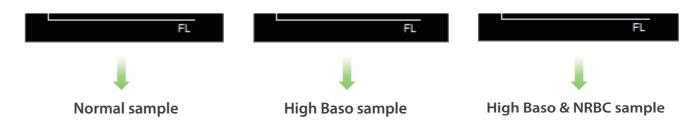
In WNB scattergram, BC-6000 provides NRBC, Basophils and WBC-N* results. It means that the actual number of NRBCs can be measured in routine CBC, if they are present in the sample. Basophils are counted in this counting channel with NRBC results.

Basophil and NRBC results are generated on BC-6000 without extra reagent or cost.

NRBC results in every CBC

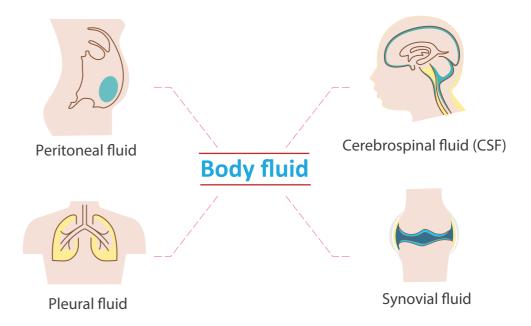


NRBCs do not usually exist in the peripheral blood except that of newborn children. Detection of NRBCs is essential in diagnosing and monitoring the hematopoietic diseases.



BC-6000 provides accurate results on samples even with high level of Basophils and NRBCs.

Body fluid



Besides blood specimen, BC-6000 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.

^{*}For research use only

Applicable to variety of tubes

To cater to customer's diversified needs, different types of blood collection tubes can be used on BC-6000, including regular whole blood vacuum tube, capillary blood microtainer tube and Sarstedt tube.

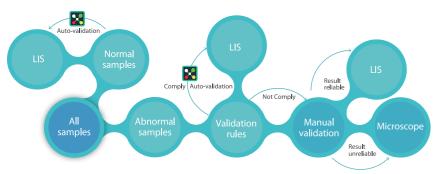


More Intuitive labXpert software

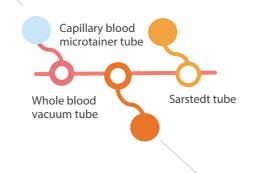
LabXpert is a standard configuration of BC-6000 for professional data analysis.

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



Automatic Rerun & Reflex

Should the sample results trigger the

criteria, the autoloader of BC-6000 can

rerun or reflex check.

return the sample racks for an automatic





Less testing time

BC-6000 can load up to 50 samples at a time and offers a throughput of up to 110 tests per hour.



Low sample volume

BC-6000 requires less sample volume as well as reagent consumption. For a CBC+DIFF test with NRBC result, BC-6000 only requires 80µL of whole blood and 35 μ L of capillary blood.



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).

