



# BS-430

Clinical Chemistry Analyzer



## Precise pipetting system

Highly polished probes are equipped with multiple technologies to ensure the accuracy and reliability. The minimum sample volume is as low as 1.5 $\mu$ L.

## Efficient washing system

Interior and exterior washing reduces the carry-over of sample probe to be less than 0.05%. Pre-warmed de-ionized water and detergent ensures the cleanliness of cuvettes.

## Intelligent mixing system

Stepper motors with speed monitoring optimizes the mixing effect.

## Advanced optical system

The technology-enhanced grating photometer effectively reduces the stray light and enhances the measuring accuracy of test results. The dot light source lowers the minimum reaction volume to 100 $\mu$ L and maximizes the cost efficiency. Prolong the service life of the lamp by auto sleep function.

## Reliable heating system

The maintenance-free direct solid heating technology stabilizes the reaction temperature at 37°C. 24-hour refrigeration maintains the temperature of reagent compartment between 2~8°C.

## New software platform

Inherited from Mindray high-end products, the user-friendly software integrates more practical functionalities and makes itself more easy-to-use. The step-by-step maintenance guide allows the maintenance easier and more comprehensive.

## Total solution for clinical chemistry

Dedicated to providing a total solution for clinical chemistry with traceability to ensure the ultimate accuracy of test results.



## Optimized integration of the whole system

All parameters are optimized during the integration to maximize the reliability of test results.

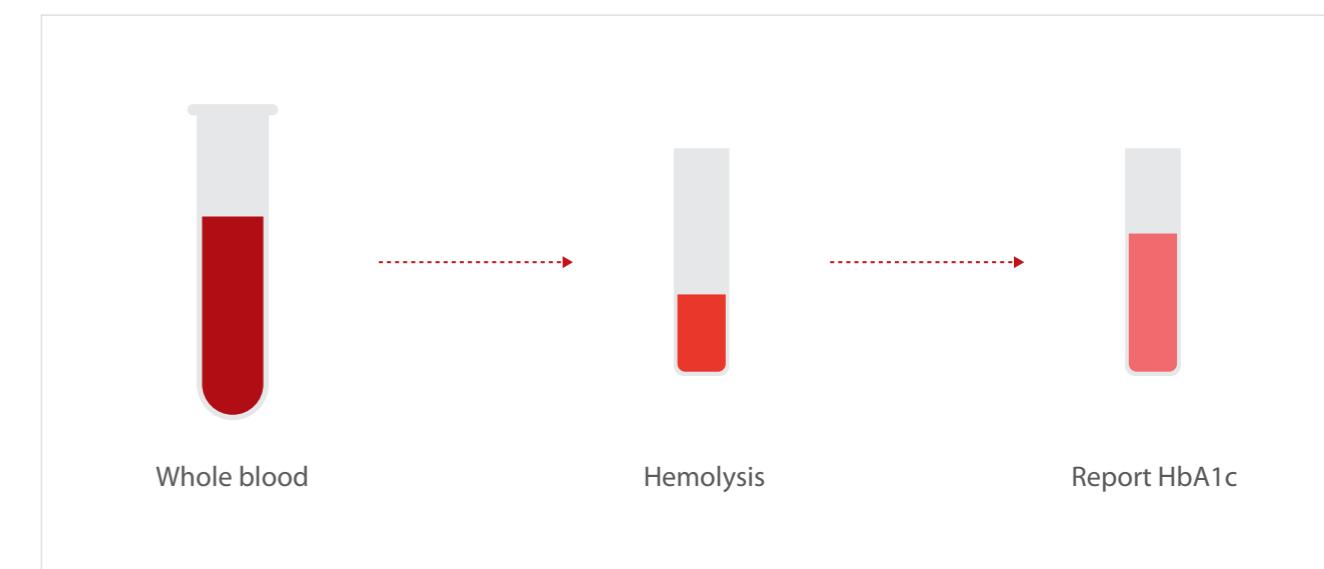
## Whole blood HbA1c

The whole blood HbA1c technology allows HbA1c test without manual pretreatment.



## Whole blood HbA1c Technology

BS-430 chemistry analyzer utilizes whole blood HbA1c technology, which allows onboard automatic hemolysate preparation for whole blood samples, thus achieving shorter turnaround time (TAT) and eliminating any biohazardous risks or any errors by manual operation.



Mindray HbA1c assays of enzymatic method, with application of specified protease and Fructosyl Peptide Oxidase (FPOX). The enzymatic method is proven to have high precision, specificity and better performance to avoid interference from hemoglobin variants, and it is traceable to IFCC reference methods.