

# The Lab 001

Automatic Glycohemoglobin Analyzer

Delivers new value to today's diabetes care



# The Lab 001 performs HbA1c measurement of either capillary or venous whole blood in just 90 seconds.

## ARKRAY's innovative measurement principle enhances the speed and accuracy of the analyzer.

By introducing the capillary electrophoresis measurement principle with microchip technology, we were able to reduce the speed to just 90 seconds (incl. variant detection).

The Lab 001 offers excellent performance in a compact design.

## Usability

Measurement is possible just by applying whole blood to a disposable reagent cartridge and inserting it into the analyzer.

Elimination of waste liquid and calibration saves time in daily operations. Fingertip whole blood can be used for measurement, which reduces the burden on patients.

## The small test cartridge allows fractionation of hemoglobins, by using capillary electrophoresis method.

Fractionation capability is available in this compact design, providing accurate HbA1c results by fractionating factors/segments impacting HbA1c values (HbF and other variant Hbs). Separate peak information output in the test result can be utilized as one of the tools for understanding patient condition.



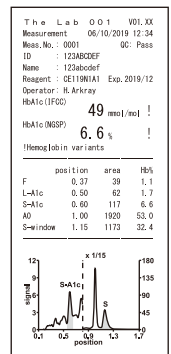
Required sample volume is only 1.5  $\mu$ L.



Reagent cartridge can be stored at room temperature.



Result display screen (example)



Printed test result (example)

Specifications	
Measurement object	Whole blood (venous blood / fingertip capillary blood)
Measurement items	Stable HbA1c
Measurement principle	Capillary electrophoresis
Measurement range	HbA1c (IFCC): 20.2 to 151.4 mmol/mol HbA1c (NGSP): 4.00% to 16.00%
Processing speed	About 90 seconds/measurement
Sample consumption	About 1.5 $\mu$ L (Whole blood)
Dimensions	Approximately 220 (W) $\times$ 326 (D) $\times$ 298 (H) mm
Weight	Approximately 10 kg

## Legal manufacturer

**arkray factory, inc.**

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