

# The Lab 001

Automatic Glycohemoglobin Analyzer

Delivers new value to today's diabetes care



# The Lab 001 performs rapid 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.

## High 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 high separation, equivalent to large analyzers, by using the capillary electrophoresis method.

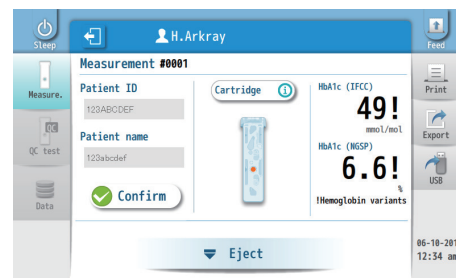
High separation capability is available with this compact design. It provides accurate HbA1c results by separating factors/segments that affect HbA1c values (HbF and other variant Hbs). The separate peak information that is output with the test result can be utilized as one of the tools for understanding the patient's condition.



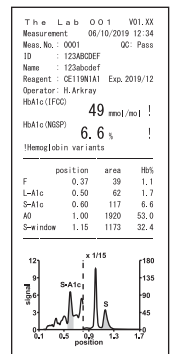
Required sample volume is only 1.5  $\mu$ L.



Reagent cartridge can be stored at room temperature.



Result display screen (example)



Printed test result (example)

Specifications	
Measurement objects	Capillary whole blood, venous whole blood (the anticoagulant that can be used are heparin Na, heparin Li, EDTA-2Na, EDTA-2K, EDTA-3K or NaF, and sodium citrate.)
Measurement items	Stable HbA1c
Measurement principle	Capillary electrophoresis
Measurement range	HbA1c (IFCC): 20.2 - 151.4 mmol/mol HbA1c (NGSP): 4.0% - 16.0%
Processing speed	Approximately 90 seconds/sample
Required sample volume	Approximately 1.5 $\mu$ L
Dimensions	220 (W) x 326 (D) x 298 (H) mm
Weight	Approximately 10 kg

## ARKRAY GLOBAL BUSINESS, INC.

Yousuien-nai, 59 Gansuin-cho,  
Kamigyo-ku, Kyoto 602-0008, JAPAN  
TEL 81-75-662-8979 FAX +81-75-431-1202

\* Designs and specifications may be changed without prior notice.