

UKGH310

Automatic HPLC HbA1c Analyzer

Three analytical modes. One shared reagent system.

120 s

Normal mode

5 uL

Sample volume

3%-18%

Linear range

10

Sample positions



Three selectable test modes

Routine HbA1c | Hemoglobin variant investigation | Thalassemia-related HbA1c, HbF and HbA2

SAME REAGENTS FOR ALL MODES

Designed for flexible HbA1c workflows

- Whole-blood and diluted-blood sample compatibility
- Original-tube puncture sampling and automatic sample recognition
- Continuous sample loading with integrated quality-control functions
- Automatic correction, cleaning and data processing
- Touchscreen operation, built-in thermal printer and LIS connectivity

One reagent workflow

The same reagent configuration supports Normal, Variant and Thalassemia modes, simplifying inventory and daily operation.

R1 + R2 + R3 eluents | Hemolytic agent

Specifications and performance

Automated high-performance liquid chromatography for routine and specialized glycated hemoglobin analysis.

METHOD	High-performance liquid chromatography (HPLC)
TEST MODES	Normal / Variant / Thalassemia
ANALYSIS	HbA1c; HbA1c + HbF + HbA2 in Thalassemia mode
ANALYSIS TIME	120 s Normal / 180 s Variant / 360 s Thalassemia
SAMPLE	5 uL whole blood or diluted blood
LINEAR RANGE	3%-18% HbA1c
SAMPLE POSITIONS	10
DIMENSIONS	300 x 480 x 500 mm
WEIGHT / POWER	28 kg / 200 VA

Performance overview

- Accuracy: relative deviation within +/-2%.
- Repeatability: CV <=1.7% at 4.0%-6.5% HbA1c.
- Carryover: <=0.6%.
- Eight-hour stability: relative deviation <= +/-1.8%.
- Correlation coefficient $r > 0.9900$ versus an established comparator.

Supporting reagent system

Eluent R1, R2 and R3

Glycated hemoglobin hemolytic agent

One reagent configuration across all three modes

Specifications are based on supplied product literature and should be confirmed for each target market and configuration.