

UKGH-200

Glycohemoglobin Analyzer

High-performance liquid chromatography for HbA1c testing

<=3 min

Analysis time

5 uL

Sample volume

3%-18%

Linear range

15

Sample positions



Three selectable test modes - one shared reagent system

Routine HbA1c | Variant investigation | Thalassemia-related HbA1c, HbF and HbA2 analysis

Workflow and functions

- Automatic correction, cleaning and data processing
- Abnormal-condition alarms and complete quality control
- Sample recognition, continuous loading and STAT priority
- Original-tube puncture sampling and LIS connectivity
- Built-in thermal printer and touchscreen operation

Test modes and specifications

- Three selectable modes for routine and specialized workflows
- Routine mode: quantitative HbA1c analysis
- Variant mode: hemoglobin variant investigation
- Thalassemia mode: HbA1c, HbF and HbA2 analysis
- The same reagent system is used across all three modes
- Samples: Venous whole blood or fingertip peripheral blood
- Reports: IFCC and NGSP results simultaneously

Performance overview

Accuracy: relative deviation within +/-2% for normal and abnormal reference materials.

Repeatability: CV <=1.7% for samples from 4.0%-6.5% HbA1c; carryover <=0.6%.

Stability: relative deviation within +/-1.8% for the same normal sample over 8 hours.

Correlation: reported coefficient $r > 0.9900$ versus an internationally established comparator.