



D-100 Hemoglobin Testing System

The fastest HbA1c result with hemoglobin variant detection*

Speed

- 80 tests per hour
- On-the-fly buffer replacement
- Streamlined result review with on-board Advisor software

Quality

- Accurate HPLC results
- No interference from common heterozygous hemoglobin variants S, C, D and E
- Smart HPLC technology

Simplicity

- One touch operation
- Smart consumables with RFID tags for automated traceability
- No calibration for up to 10,000 tests

* Interferences from common heterozygous hemoglobin variants: HbS, HbC, HbD and HbE were tested. Based on net performance criteria the results were acceptable.





Performance Specifications

Total Precision* ≤1.7% CV (NGSP units)
Accuracy Total error < 6%
Linear Range 3.5 to 20% HbA_{1c}
Sample Concentration Range 50,000 – 350,000 mAU
HbA_{1c} Units Reported IFCC and NGSP

No interference from:

- Common heterozygous hemoglobins S, C, D and E
- Carbamylated Hb and labile HbA_{1c}
- Fetal Hb up to 30%
- Lipemia up to 6,000 mg/dL (60 g/L)

* Total precision is based on a 3-instrument, 60-day precision study using 3 lots of reagents to generate a total of 720 data points per sample. It includes the following sources of variation: within-run (repeatability), between-run, between-day, between-instrument, and between-lot.

Ordering Information

Catalog No.	Description	
12008984	D-100 Hemoglobin Testing System	1 each
290-1004	D-100 HbA _{1c} Analytical Cartridge/Calibrator Pack	1 each
290-1006	D-100 HbA _{1c} Calibrator Pack	1 each
290-1007	D-100 Prefilters (5-pack)	1 each
290-1008	D-100 Cleaning Tube	1 each
290-1009	D-100 Sample Diluent, 1L	1 each
290-1010	D-100 HbA _{1c} Elution Buffer A, 2600 mL	1 each
290-1011	D-100 HbA _{1c} Elution Buffer B, 1400 mL	1 each
290-1012	D-100 Wash Solution, 3300 mL	1 each

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