

## D-100™ HbA<sub>1c</sub> Quick Guide

### Result Review

**Any results that do not meet the following criteria should not be reported.**

Item	Criteria
Total Area range	50,000–350,000
Quality Control	Values should be in range
HbA <sub>1c</sub> reportable range	<ul style="list-style-type: none"> <li>• NGSP: 3.5–20.0%</li> <li>• IFCC: 15–195 mmol/mol</li> <li>• Any sample with &gt;15% or &gt;140 mmol/mol HbA<sub>1c</sub> should be suspected of having a hemoglobin variant.</li> </ul>
HbF	≤30%
Labile A <sub>1c</sub> (LA1c)	No interference
Carbamylated hemoglobin (CHb)	<ul style="list-style-type: none"> <li>• No interference</li> <li>• CHb elutes in the LA1c window</li> </ul>
P3 peak	≤10%
Heterozygous hemoglobins E, D, S, and C	No interference
E, D, S, and/or C windows	Combined area <50%
“Unknown” peaks	“Unknown” peak ≤10%

### Test Components

USE	REF	Symbol	Description
290-1004		ANLT CRTR CAL PACK	Analytical Cartridge/Calibrator Pack
290-1006		CAL PACK	Calibrator Pack
290-1007		PRE FIL	Prefilters (5 per package)
290-1008		CLN TUBE	Cleaning Tube
290-1009		SAMP DIL	Sample Diluent
290-1010		BUF A	Elution Buffer A
290-1011		BUF B	Elution Buffer B
290-1012		WSH SOLN	Wash Solution