

Hemoglobin A1C Reference Range Change

Effective Date: March 14, 2017

There will be a change in the hemoglobin A1c reference range. This change follows the recommendation of the American Diabetes Association in adopting hemoglobin A1c as one of several diagnostic criteria for the diagnosis of diabetes mellitus. The change is as follows:

New Reference Range	Old Reference Range
4.0-5.6% (Non-diabetic)	4.0-6.0%
5.7-6.4% (Increased risk for diabetes)	
Greater than or equal to 6.5% (Consistent with diabetes)*	

Additional criteria for the diagnosis of diabetes include:

- 1) Fasting glucose of greater than or equal to 126 mg/dL*, or
- 2) Two-hour glucose level of greater than or equal to 200 mg/dL after 75 g glucola*, or
- 3) Random glucose level of greater than or equal to 200 mg/dL in the presence of classic symptoms of hyperglycemia or hyperglycemic crisis.

*A second test is required for confirmation.

Hemoglobin A1C criteria for the diagnosis of diabetes have not been established for patients <18 years of age.

The methods used by Beaumont Laboratories are certified by the National Glycohemoglobin Standardization Program which is standardized or traceable to the Diabetes Control and Complications Trial (DCCT) reference assay.

If you have questions, please contact Client Services (1-800-551-0488, option 5).

Laboratory Test Directory: <http://beaumontlaboratory.com/test-lab-directory>.

Date submitted: 02/24/2017

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