




LAB ALERT

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Test Name: Hemoglobin A1c

Change: Methodology

Effective: 1/21/19

Effective 1/21/19 Berkeley Medical Center Laboratory will offer Hemoglobin A1c (HgA1c) by ion exchange high performance liquid chromatography (HPLC) replacing the previous turbidimetric methodology. Results are standardized to the IFCC reference and are NGSP certified.

HgA1c by HPLC provides accurate results in several conditions which are known to result in lower than expected values by other methodologies, such as hemoglobin S, C, D or E traits or beta-thalassemia trait and in the presence of hemoglobin F up to 25%.

Utilizing confirmed HgA1c results for diagnosis in adults:

Expected range for healthy patients: <5.7%

Increased risk for diabetes (prediabetes): 5.7-6.4%

Diabetes mellitus: ≥6.5%

Therapeutic goal for glycemic control in adults is generally <7%. Patients at risk for hypoglycemia may need a less stringent goal of <8%, whereas select patients may do well with a stringent goal of <6.5%. ADA guidelines offer recommendations with detailed discussion.

BMC will be the performing laboratory for both BMC and JMC testing.

*If you have any questions call BMC at 304-264-1212, option #7