

LIPID PANEL(AMA) W/LDL CALC (CDH,DCH,GLH,NMH,NWR)

Collected on Mar 15, 2024 11:34 AM



Kasen Culler, MD 03/15/2024, 3:04 PM

Hi Alissa,

Your lab results are normal today. Your cholesterol is in normal range and you do not have diabetes. Please let us know if you have any questions.

Thanks,
Dr. Culler

Results

On April 25, 2023, NMHC laboratories changed the equation for calculating estimated low-density lipoprotein-cholesterol (LDL-C) from the Friedewald equation to the Martin/Hopkins equation. This new equation is only valid for lipid panels with triglycerides < 400 mg/dL. Studies have demonstrated that this new equation will improve the accuracy of LDL-C, especially in scenarios when LDL-C concentrations are relatively low (< 100 mg/dL), triglycerides are elevated, or patient is non-fasting.

References:

- Martin, Seth S., Michael J. Blaha, Mohamed B. Elshazly, Peter P. Toth, Peter O. Kwiterovich, Roger S. Blumenthal, and Steven R. Jones. 2013. "Comparison of a Novel Method vs the Friedewald Equation for Estimating Low-Density Lipoprotein Cholesterol Levels from the Standard Lipid Profile." JAMA: The Journal of the American Medical Association 310 (19): 2061-68.
- Sathiyakumar V, Park J, Golozar A, Lazo M, Quispe R, Guallar E, Blumenthal RS, Jones SR, Martin SS. "Fasting Versus Nonfasting and Low-Density Lipoprotein Cholesterol Accuracy." Circulation. 2018 Jan 2;137(1):10-19.

Total Cholesterol

mg/dL

Value

157

Guideline: < 170 mg/dl, Optimal (Not to be construed as a target for drug therapy.)

Triglycerides

mg/dL

Value

78

Guideline: < 100 mg/dl, Optimal (Not to be construed as a target for drug therapy.)
> 499 mg/dl, Highly abnormal (Please review with your medical team.)

HDL Cholesterol

mg/dL

Value

65

Guideline: > 50 mg/dl, Optimal (Not to be construed as a target for drug therapy.)

LDL Cholesterol

mg/dL

Value

76

Guideline: < 100 mg/dl, Optimal (Not to be construed as a target for drug therapy.)
> 189 mg/dl, Highly abnormal (Please review with your medical team.)

Non-HDL Cholesterol

mg/dL

Value

92

Guideline: < 120 mg/dl, Optimal (Not to be construed as a target for drug therapy.)
> 219 mg/dl, Highly abnormal (Please review with your medical team.)

Authorizing provider: Kasen Culler, MD

Collection date: Mar 15, 2024 11:34 AM

Specimens: Blood (Venous)

Result date: Mar 15, 2024 12:45 PM

Result status: Final

Resulting lab:

NORTHWESTERN MEMORIAL HOSPITAL LAB

251 E. Huron 7307

Chicago IL 60611

Gregory Retzinger, MD (Lab director)

14D0666246 (CLIA #)

