



**Specimen Details**

**Date collected:** 03/29/2019 0815 Local  
**Date received:** 03/29/2019  
**Date entered:** 03/29/2019  
**Date reported:** 03/31/2019 1106 ET

**General Comments & Additional Information**

**Total Volume:** Not Provided

**Fasting:** Yes

**Ordered Items**

NMR LipoProfile; CBC With Differential/Platelet; Comp. Metabolic Panel (14); Lipid Panel; Hemoglobin A1c; Cortisol; C-Reactive Protein, Cardiac; Insulin; Drawing Fee

| TESTS  | RESULT      | FLAG                   | UNITS  | REFERENCE INTERVAL | LAB |
|--|-------------|------------------------|--------|--------------------|-----|
| <b>NMR LipoProfile</b>                         |             |                        |        |                    |     |
| LDL Particle Number                            |             |                        |        |                    | 01  |
| <b>LDL-P</b>                                   | <b>1122</b> | <b>High</b>            | nmol/L | <1000              | 01  |
|  |             | <b>Low</b>             |        | < 1000             |     |
|  |             | <b>Moderate</b>        |        | 1000 - 1299        |     |
|  |             | <b>Borderline-High</b> |        | 1300 - 1599        |     |
|  |             | <b>High</b>            |        | 1600 - 2000        |     |
|  |             | <b>Very High</b>       |        | > 2000             |     |
| Lipids   |             |                        |        |                    | 01  |
| <b>LDL-C</b>                                   | <b>111</b>  | <b>High</b>            | mg/dL  | 0 - 99             | 01  |
|  |             | <b>Optimal</b>         |        | < 100              |     |
|  |             | <b>Above optimal</b>   |        | 100 - 129          |     |
|  |             | <b>Borderline</b>      |        | 130 - 159          |     |
|  |             | <b>High</b>            |        | 160 - 189          |     |
|  |             | <b>Very high</b>       |        | > 189              |     |
| Comment:                                       |             |                        |        |                    | 01  |
| LDL-C is inaccurate if patient is non-fasting. |             |                        |        |                    |     |
| HDL-C  | 95          |                        | mg/dL  | >39                | 01  |
| Triglycerides                                  | 74          |                        | mg/dL  | 0 - 149            | 01  |
| <b>Cholesterol, Total</b>                      | <b>221</b>  | <b>High</b>            | mg/dL  | 100 - 199          | 01  |
| LDL and HDL Particles                          |             |                        |        |                    | 01  |
| HDL-P (Total)                                  | 41.3        |                        | umol/L | >=30.5             | 01  |
| Small LDL-P                                    | <90         |                        | nmol/L | <=527              | 01  |
| LDL Size                                       | 21.2        |                        | nm     | >20.5              | 01  |

**\*\* INTERPRETATIVE INFORMATION\*\***

**PARTICLE CONCENTRATION AND SIZE**

<--Lower CVD Risk Higher CVD Risk-->

| LDL AND HDL PARTICLES | Percentile in Reference Population |      |                       |      |       |
|-----------------------|------------------------------------|------|-----------------------|------|-------|
| HDL-P (total)         | High                               | 75th | 50th                  | 25th | Low   |
|                       | >34.9                              | 34.9 | 30.5                  | 26.7 | <26.7 |
| Small LDL-P           | Low                                | 25th | 50th                  | 75th | High  |
|                       | <117                               | 117  | 527                   | 839  | >839  |
| LDL Size              | <-Large (Pattern A)->              |      | <-Small (Pattern B)-> |      |       |

Patient ID:

| TESTS | RESULT | FLAG | UNITS | REFERENCE INTERVAL | LAB |
|-------|--------|------|-------|--------------------|-----|
|       | 23.0   | 20.6 | 20.5  | 19.0               |     |

Comment: 01

Small LDL-P and LDL Size are associated with CVD risk, but not after LDL-P is taken into account.

These assays were developed and their performance characteristics determined by LipoScience. These assays have not been cleared by the US Food and Drug Administration. The clinical utility of these laboratory values have not been fully established.

Insulin Resistance Score 01

LP-IR Score <25 <=45 01

INSULIN RESISTANCE MARKER

<--Insulin Sensitive Insulin Resistant-->

Percentile in Reference Population

Insulin Resistance Score

| LP-IR Score | Low | 25th | 50th | 75th | High |
|-------------|-----|------|------|------|------|
|             | <27 | 27   | 45   | 63   | >63  |

Comment: 01

LP-IR Score is inaccurate if patient is non-fasting.

The LP-IR score is a laboratory developed index that has been associated with insulin resistance and diabetes risk and should be used as one component of a physician's clinical assessment. The LP-IR score listed above has not been cleared by the US Food and Drug Administration.

#### CBC With Differential/Platelet

|                        |      |     |          |             |    |
|------------------------|------|-----|----------|-------------|----|
| WBC                    | 2.9  | Low | x10E3/uL | 3.4 - 10.8  | 02 |
| RBC                    | 4.33 |     | x10E6/uL | 3.77 - 5.28 | 02 |
| Hemoglobin             | 12.6 |     | g/dL     | 11.1 - 15.9 | 02 |
| Hematocrit             | 38.0 |     | %        | 34.0 - 46.6 | 02 |
| MCV                    | 88   |     | fL       | 79 - 97     | 02 |
| MCH                    | 29.1 |     | pg       | 26.6 - 33.0 | 02 |
| MCHC                   | 33.2 |     | g/dL     | 31.5 - 35.7 | 02 |
| RDW                    | 14.0 |     | %        | 12.3 - 15.4 | 02 |
| Platelets              | 245  |     | x10E3/uL | 150 - 379   | 02 |
| Neutrophils            | 54   |     | %        | Not Estab.  | 02 |
| Lymphs                 | 33   |     | %        | Not Estab.  | 02 |
| Monocytes              | 8    |     | %        | Not Estab.  | 02 |
| Eos                    | 4    |     | %        | Not Estab.  | 02 |
| Basos                  | 1    |     | %        | Not Estab.  | 02 |
| Neutrophils (Absolute) | 1.6  |     | x10E3/uL | 1.4 - 7.0   | 02 |
| Lymphs (Absolute)      | 1.0  |     | x10E3/uL | 0.7 - 3.1   | 02 |
| Monocytes (Absolute)   | 0.2  |     | x10E3/uL | 0.1 - 0.9   | 02 |
| Eos (Absolute)         | 0.1  |     | x10E3/uL | 0.0 - 0.4   | 02 |
| Baso (Absolute)        | 0.0  |     | x10E3/uL | 0.0 - 0.2   | 02 |
| Immature Granulocytes  | 0    |     | %        | Not Estab.  | 02 |

Patient ID:

| TESTS                              | RESULT  | FLAG        | UNITS       | REFERENCE INTERVAL | LAB |
|------------------------------------|---|-------------|-------------|--------------------|-----|
| Immature Grans (Abs)               | 0.0   |             | x10E3/uL    | 0.0 - 0.1          | 02  |
| <b>Comp. Metabolic Panel (14)</b>  |   |             |             |                    |     |
| Glucose                            | 77  |             | mg/dL       | 65 - 99            | 02  |
| BUN                                | 12  |             | mg/dL       | 6 - 24             | 02  |
| Creatinine                         | 0.74  |             | mg/dL       | 0.57 - 1.00        | 02  |
| eGFR If NonAfricn Am               | 95  |             | mL/min/1.73 | >59                |     |
| eGFR If Africn Am                  | 109   |             | mL/min/1.73 | >59                |     |
| BUN/Creatinine Ratio               | 16  |             |             | 9 - 23             |     |
| Sodium                             | 135   |             | mmol/L      | 134 - 144          | 02  |
| Potassium                          | 4.5   |             | mmol/L      | 3.5 - 5.2          | 02  |
| <b>Chloride</b>                    | <b>95</b>                                       | <b>Low</b>  | mmol/L      | 96 - 106           | 02  |
| Carbon Dioxide, Total              | 24  |             | mmol/L      | 20 - 29            | 02  |
| Calcium                            | 9.2   |             | mg/dL       | 8.7 - 10.2         | 02  |
| Protein, Total                     | 6.3   |             | g/dL        | 6.0 - 8.5          | 02  |
| Albumin                            | 4.3   |             | g/dL        | 3.5 - 5.5          | 02  |
| Globulin, Total                    | 2.0   |             | g/dL        | 1.5 - 4.5          |     |
| A/G Ratio                          | 2.2   |             |             | 1.2 - 2.2          |     |
| Bilirubin, Total                   | <0.2  |             | mg/dL       | 0.0 - 1.2          | 02  |
| <b>Alkaline Phosphatase</b>        | <b>34</b>                                       | <b>Low</b>  | IU/L        | 39 - 117           | 02  |
| AST (SGOT)                         | 18  |             | IU/L        | 0 - 40             | 02  |
| ALT (SGPT)                         | 18  |             | IU/L        | 0 - 32             | 02  |
| <b>Lipid Panel</b>                 |   |             |             |                    |     |
| <b>Cholesterol, Total</b>          | <b>213</b>                                      | <b>High</b> | mg/dL       | 100 - 199          | 02  |
| Triglycerides                      | 63  |             | mg/dL       | 0 - 149            | 02  |
| HDL Cholesterol                    | 94  |             | mg/dL       | >39                | 02  |
| VLDL Cholesterol Cal               | 13  |             | mg/dL       | 5 - 40             |     |
| <b>LDL Cholesterol Calc</b>        | <b>106</b>                                      | <b>High</b> | mg/dL       | 0 - 99             |     |
| <b>Hemoglobin A1c</b>              |   |             |             |                    |     |
| Hemoglobin A1c                     | 4.8   |             | %           | 4.8 - 5.6          | 02  |
| Please Note:                       |   |             |             |                    | 02  |
|                                    | Prediabetes: 5.7 - 6.4                          |             |             |                    |     |
|                                    | Diabetes: >6.4                                  |             |             |                    |     |
|                                    | Glycemic control for adults with diabetes: <7.0 |             |             |                    |     |
| <b>Cortisol</b>                    | 15.9  |             | ug/dL       |                    | 02  |
|                                    |   |             | Cortisol AM | 6.2 - 19.4         |     |
|                                    |   |             | Cortisol PM | 2.3 - 11.9         |     |
| <b>C-Reactive Protein, Cardiac</b> | 0.93  |             | mg/L        | 0.00 - 3.00        | 02  |
|                                    | Relative Risk for Future Cardiovascular Event   |             |             |                    |     |
|                                    |   |             | Low         | <1.00              |     |
|                                    |   |             | Average     | 1.00 - 3.00        |     |

Patient ID:

| TESTS          | RESULT     | FLAG       | UNITS  | REFERENCE  | INTERVAL | LAB |
|----------------|------------|------------|--------|------------|----------|-----|
|                |            |            | High   |            | >3.00    |     |
| <b>Insulin</b> | <b>2.2</b> | <b>Low</b> | uIU/mL | 2.6 - 24.9 |          | 02  |

|    |    |   |                          |
|----|----|---|--------------------------|
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| 02 | DA | LabCorp Dallas<br>7777 Forest Ln Bldg C350, Dallas, TX 75230-2544 | Dir: CN Etufugh, MD      |

For inquiries, the physician may contact **Branch: 888-522-2677 Lab: 800-762-4344**