ARUP LABORATORIES
800-522-2787 | aruplab.com
500 Chipeta Way, Salt Lake City, UT 84108-1221
Tracy I. George, MD, Chief Medical Officer

Client: Example Client ABC123
123 Test Drive
Salt Lake City, UT 84108
UNITED STATES

Physician: Doctor, Example

Patient: Patient, Example

DOB	9/8/2001
Gender:	Female
Patient Identifiers:	01234567890ABCD, 012345
Visit Number (FIN):	01234567890ABCD
Collection Date:	01/01/2017 12:34

Lipid Panel, Extended

ARUP test code 0020468

Cholesterol, Serum or Plasma	158 mg/dL	(Ref Interval: <=169)

INTERPRETIVE INFORMATION: Cholesterol, Serum or Plasma
A desirable serum cholesterol concentration in adults is less than 200 mg/dL and less than 170 mg/dL in children. A borderline-high serum cholesterol concentration in adults is 200-239 mg/dL and 170-199 mg/dL in children. A high serum cholesterol concentration in adults is greater than 239 mg/dL and greater than 199 mg/dL in children.

Triglycerides, Serum or Plasma	81 mg/dL	(Ref Interval: 30-149)

INTERPRETIVE INFORMATION: Triglycerides

A normal fasting serum triglycerides concentration in adults is 149 mg/dL or less. A borderline-high fasting serum triglycerides concentration in adults is 150 to 199 mg/dL. A high fasting serum triglycerides concentration in adults is 200 to 499 mg/dL. A very high fasting serum triglycerides concentration in adults is 500 mg/dL or greater.

HDL Cholesterol	48 mg/dL	(Ref Interval: 40-59)

INTERPRETIVE INFORMATION: High Density Lipoproteins

An HDL cholesterol less than 40 mg/dL is low and constitutes a coronary heart disease risk factor. An HDL cholesterol greater than 60 mg/dL is a negative risk factor for coronary heart disease.

CHD Risk Factors:
+1 Age: Men, 45 years and older
Women, 55 years and older or premature menopause without estrogen therapy
+1 Family history of premature CHD
+1 Current smoking
+1 Hypertension
+1 Diabetes mellitus
+1 Low HDL Cholesterol: 39 mg/dL or less
-1 High HDL Cholesterol: 60 mg/dL or greater

LDL Cholesterol, Direct	101 mg/dL	(Ref Interval: 0-109)

H=High, L=Low, *=Abnormal, C=Critical

Unless otherwise indicated, testing performed at:

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Tracy I. George, MD, Laboratory Director

INTERPRETIVE INFORMATION: LDL Cholesterol, Direct
CHD Risk Factors:
  +1 Age: Men,   45 years and older
           Women, 55 years and older or premature menopause
                  without estrogen therapy
  +1 Family history of premature CHD
  +1 Current smoking
  +1 Hypertension
  +1 Diabetes mellitus
  +1 Low HDL Cholesterol: 39 mg/dL or less
  -1 High HDL Cholesterol: 60 mg/dL or greater

LDL Cholesterol: Therapeutic goal
  99 mg/dL or less if CHD is present(Optional 69 mg/dL or less)
 129 mg/dL or less if no CHD and two or more risk factors
 159 mg/dL or less if no CHD
(Circulation 2004; 110:227-39)

Access complete set of age- and/or gender-specific reference intervals for this test in the ARUP Laboratory Test Directory (aruplab.com).

VLDL, Calculated	9 mg/dL	(Ref Interval: 0-30)

Non-HDL Cholesterol

110 mg/dL

INTERPRETIVE INFORMATION: Non-HDL Cholesterol

Non-HDL cholesterol is a secondary target of therapy in persons with high serum triglycerides (greater than 199 mg/dL). The goal for non-HDL cholesterol in persons with high triglycerides is 30 mg/dL higher than their LDL cholesterol goal.

VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
Cholesterol, Serum or Plasma	19-364-126773	12/30/2019 9:59:00 AM	1/1/2020 6:52:34 AM	1/1/2020 11:38:00 AM
Triglycerides, Serum or Plasma	19-364-126773	12/30/2019 9:59:00 AM	1/1/2020 6:52:34 AM	1/1/2020 11:38:00 AM
HDL Cholesterol	19-364-126773	12/30/2019 9:59:00 AM	1/1/2020 6:52:34 AM	1/1/2020 11:38:00 AM
LDL Cholesterol, Direct	19-364-126773	12/30/2019 9:59:00 AM	1/1/2020 6:52:34 AM	1/1/2020 11:38:00 AM
VLDL, Calculated	19-364-126773	12/30/2019 9:59:00 AM	1/1/2020 6:52:34 AM	1/1/2020 11:38:00 AM
Non-HDL Cholesterol	19-364-126773	12/30/2019 9:59:00 AM	1/1/2020 6:52:34 AM	1/1/2020 11:38:00 AM

END OF CHART

H=High, L=Low, *=Abnormal, C=Critical