

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

Physician: Doctor, Example

**Patient: Patient, Example**

**DOB:** 4/23/1981  
**Sex:** Male  
**Patient Identifiers:** 01234567890ABCD, 012345  
**Visit Number (FIN):** 01234567890ABCD  
**Collection Date:** 01/01/2017 12:34

**LipoFit by NMR, Particle Count Only**

ARUP test code 2013715

**LDL Particle Number, NMR** Interference nmol/L (Ref Interval: <=1135)

The lipoproteins cannot be accurately quantified by the NMR method. High quantities of triglyceride-rich lipoprotein particles (chylomicrons and VLDL) or free fatty acids cause interference with lipoprotein determination by NMR spectroscopy. If clinically indicated, Apo(B) is a comparable marker for assessing cardiovascular risk associated with LDL particle count [Cole TG et al., Clin Chem. 2013, 59, 752-770].

REFERENCE INTERVAL: LDL Particle Number, NMR

Low..... Less than 1136  
Moderate..... 1136 - 1449  
Borderline High... 1450 - 1764  
High..... 1765 - 2186  
Very High..... Greater than 2186

Percentiles in Reference Population:  
20th 50th 80th 95th  
1136 1450 1765 2186

Percentiles consistent with those from NCEP ATP III LDL-C cutpoints of 100 mg/dL(20th percentile) and 160 mg/dL (80th percentile).

**Small LDL Particle Number, NMR** See Note nmol/L (Ref Interval: <=634)

INTERPRETIVE INFORMATION: Small LDL Particle Number, NMR

Percentiles in Reference Population:  
25th 50th 75th  
220 634 949

**Large VLDL Particle Number, NMR** See Note nmol/L (Ref Interval: <=2.7)

INTERPRETIVE INFORMATION: Large VLDL Particle Number, NMR

Percentiles in Reference Population:  
25th 50th 75th  
0.9 2.7 7.0

**HDL Particle Number, NMR** See Note umol/L (Ref Interval: >=33.0)

INTERPRETIVE INFORMATION: HDL Particle Number, NMR

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

Unless otherwise indicated, testing performed at:

Percentiles in Reference Population:  
25th 50th 75th  
29.7 33.0 36.8

**Large HDL Particle Number, NMR**

See Note umol/L (Ref Interval: >=4.2)  
INTERPRETIVE INFORMATION: Large HDL Particle Number, NMR

Percentiles in Reference Population:  
25th 50th 75th  
2.0 4.2 7.3

**LDL Particle Size, NMR**

See Note nm (Ref Interval: >=20.7)  
INTERPRETIVE INFORMATION: LDL Particle Size, NMR

Percentiles in Reference Population:  
25th 50th 75th  
19.6 20.7 22.5

**VLDL Particle Size, NMR**

See Note nm (Ref Interval: <=46.7)  
INTERPRETIVE INFORMATION: VLDL Particle Size, NMR

Percentiles in Reference Population:  
25th 50th 75th  
44.3 46.7 50.2

**HDL Particle Size, NMR**

See Note nm (Ref Interval: >=8.9)  
INTERPRETIVE INFORMATION: HDL Particle Size, NMR

Percentiles in Reference Population:  
25th 50th 75th  
8.6 8.9 9.3

**EER LipoFit by NMR, Particle Count Only**

See Note  
Access ARUP Enhanced Report using the link below:  
-Direct access:

INTERPRETIVE INFORMATION: LipoFit by NMR, Particle Count Only  
This test was developed and its performance characteristics determined by ARUP Laboratories. It has not been cleared or approved by the US Food and Drug Administration. This test was performed in a CLIA certified laboratory and is intended for clinical purposes.

VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
LDL Particle Number, NMR	21-110-135029	4/20/2021 3:26:00 PM	4/21/2021 9:57:00 PM	4/23/2021 5:27:00 PM
Small LDL Particle Number, NMR	21-110-135029	4/20/2021 3:26:00 PM	4/21/2021 9:57:00 PM	4/23/2021 5:27:00 PM
Large VLDL Particle Number, NMR	21-110-135029	4/20/2021 3:26:00 PM	4/21/2021 9:57:00 PM	4/23/2021 5:27:00 PM
HDL Particle Number, NMR	21-110-135029	4/20/2021 3:26:00 PM	4/21/2021 9:57:00 PM	4/23/2021 5:27:00 PM

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

Unless otherwise indicated, testing performed at:

Large HDL Particle Number, NMR	21-110-135029	4/20/2021 3:26:00 PM	4/21/2021 9:57:00 PM	4/23/2021 5:27:00 PM
LDL Particle Size, NMR	21-110-135029	4/20/2021 3:26:00 PM	4/21/2021 9:57:00 PM	4/23/2021 5:27:00 PM
VLDL Particle Size, NMR	21-110-135029	4/20/2021 3:26:00 PM	4/21/2021 9:57:00 PM	4/23/2021 5:27:00 PM
HDL Particle Size, NMR	21-110-135029	4/20/2021 3:26:00 PM	4/21/2021 9:57:00 PM	4/23/2021 5:27:00 PM
EER LipoFit by NMR, Particle Count Only	21-110-135029	4/20/2021 3:26:00 PM	4/21/2021 9:57:00 PM	4/23/2021 5:27:00 PM

END OF CHART

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

Unless otherwise indicated, testing performed at:

**ARUP LABORATORIES | 800-522-2787 | aruplab.com**  
500 Chipeta Way, Salt Lake City, UT 84108-1221  
Jonathan R. Genzen, MD, PhD, Laboratory Director

Patient: Patient, Example  
ARUP Accession: 21-110-135029  
Patient Identifiers: 01234567890ABCD, 012345  
Visit Number (FIN): 01234567890ABCD  
Page 3 of 3 | Printed: 9/14/2022 6:59:45 AM