

TEST NUMBER: #####

COLLECTED: dd/mm/yyyy

PRACTITIONER: **Nordic Laboratories**

PATIENT NUMBER: #####

RECEIVED: dd/mm/yyyy

ADDRESS:

GENDER: Female

TESTED: dd/mm/yyyy

AGE: 39

DATE OF BIRTH: dd-mm-yyyy

TEST NAME: Oxidised LDL & Liposcan Panel

LIPOSCAN

The better cholesterol test



PERSONAL RESULTS OF
Sample Test Report

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Dear Mrs. Test Report,

These are the results of your LipoScan test. With the LipoScan we are, for the first time, in a position to indicate the actual health risk of your cholesterol value. Current research shows: A high LDL cholesterol value does not need to be dangerous ? on the other hand a normal and low value might already carry a risk! Exactly how this works is explained in the general information section of this report. If the test shows a risk ask your doctor for the ideal therapy. He is capable of arranging an individual therapy for you that will reduce your risk drastically ? and most of the time without the need for medication! Any additional diagnostic tests that will be required for further treatment will be notified within this result.

Your Nordic Labs-Team

Content

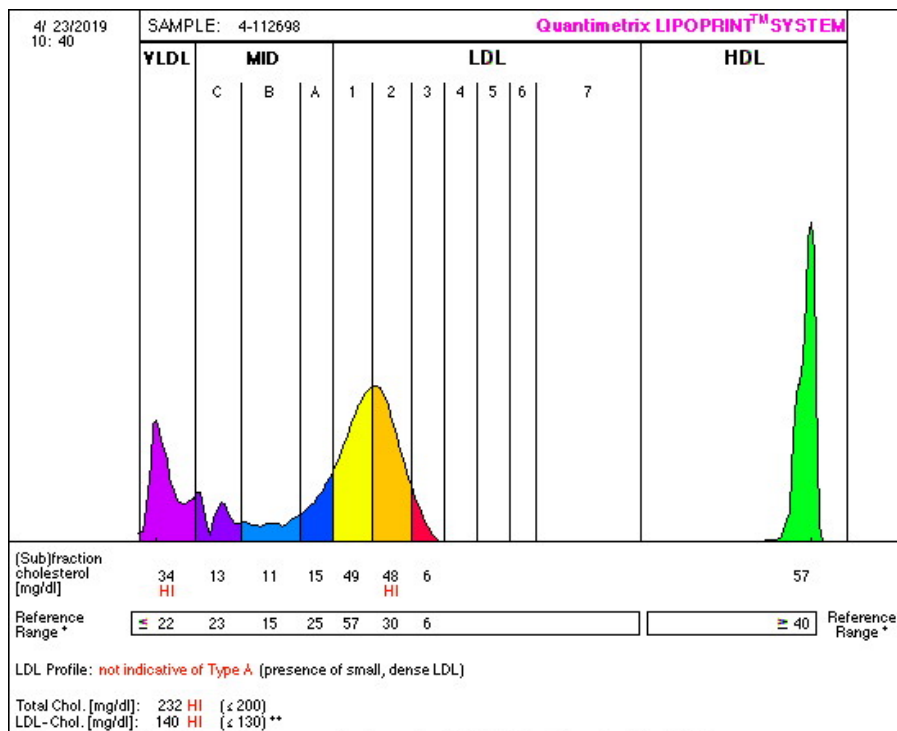
1. Your personal result of the measured lipid fractions (lipid particles)
 - a) graphical
 - b) tabular
2. Summary of the measured values
3. Risk evaluation
4. Recommendation for further diagnostics

| | | |
|----------------------------------|------------------------------|---|
| PATIENT: Sample Report | | TEST REF: TST-##-#### |
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TEST NAME: Oxidised LDL & Liposcan Panel

1. Your personal result of the measured lipid fractions (lipid particles)

a. graphical



*Reference ranges derived from 125 serum samples that met the NCEP ATP III guidelines for desirable lipid status
 **LDL-C is comprised of the sum of cholesterol in Mid bands C through A as well as all the subfractions

Description of the graphic:

The LDL particles measured here with the LIPOSCAN are divided into seven different classes (see scale above the graphic). Only the classes 3 & 7 resemble a higher risk. If you detect a red area in the graphic those are the particles which have been found in your results. A detailed risk description can be found in the following section.

TEST NAME: Oxidised LDL & Liposcan Panel
1. Your personal result of the measured lipid fractions (lipid particles)

b. tabular

| Examination | Result | Unit | Standard value |
|--------------------------------|---------|--------|----------------|
| Lipometabolism | | | |
| Cholesterol | 5.99952 | mmol/l | < 5.17 |
| Triglyceride | 1.0622 | mmol/l | < 1.7 |
| Liposcan | | | |
| HDL | 1.47402 | mmol/l | > 1.16 |
| LDL | 3.6204 | mmol/l | < 3.36 |
| LDL/HDL ratio | 2.46 | | < 3 |
| VLDL | 0.87924 | mmol/l | < 0.59 |
| IDL | 1.00854 | mmol/l | < 1.66 |
| - non pathogenic LDL fractions | | | |
| LDL 1 | 1.26714 | mmol/l | < 1.5 |
| LDL 2 | 1.24128 | mmol/l | < 0.8 |
| - pathogenic LDL fractions | | | |
| LDL 3 | 0.15516 | mmol/l | < 0.18 |
| LDL 4 | 0 | mmol/l | < 0.00 |
| LDL 5 | 0 | mmol/l | < 0.00 |
| LDL 6 | 0 | mmol/l | < 0.00 |
| LDL 7 | 0 | mmol/l | < 0.00 |

2. Summary of the measured values

| | |
|--|-----------|
| Total cholesterol: | increased |
| Total LDL: | increased |
| LDL/HDL ratio: | normal |
| non pathogenic ("harmless") LDL fractions: | increased |
| pathogenic ("harmful") LDL fractions: | normal |
| HDL ("protecting" cholesterol): | normal |
| Triglyceride: | normal |

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TEST NAME: Oxidised LDL & Liposcan Panel**3. Risk evaluation**

Total and total LDL cholesterol are increased.

Conclusion

Only non-pathogenic LDL particles of classes 1 - 2 could have been detected.

HDL with its protective effect is sufficiently present, the ratio of LDL/HDL indicates additional protection.

Findings are inconspicuous, there is no need of a therapy or further diagnostics. Due to increased non-pathogenic LDL particles a control examination is recommended in 6 months.

A dietary change (after Imupro) may be recommendable because of the elevated cholesterol values. Please refer to clinical/anamnestic data.



| | | |
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4. Recommendation for further diagnostics

In this case there is no indication for therapy.

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TEST NAME: Oxidised LDL & Liposcan Panel

| Test | Result | | Unit | Reference Value |
|---|-------------|----|--------|-----------------|
| CLINICAL / Anamnestic data | | | | |
| Anamnesis | none | | | |
| Fat Metabolism (SI units) | | | | |
| Cholesterol | 6.00 | + | mmol/l | < 5.17 |
| Triglycerides | 1.06 | | mmol/l | < 1.7 |
| LIPOSCAN (SI units) | | | | |
| HDL | 1.47 | | mmol/l | > 1.16 |
| LDL | 3.62 | '+ | mmol/l | < 3.36 |
| LDL/HDL | 2.5 | | | < 3 |
| VLDL | 0.88 | + | mmol/l | < 0.59 |
| IDL | 1.01 | | mmol/l | < 1.66 |
| - non pathogen LDL subfractions (SI units) | | | | |
| LDL1 | 1.27 | | mmol/l | < 1.5 |
| LDL2 | 1.24 | + | mmol/l | < 0.8 |
| - pathogen LDL subfractions (SI units) | | | | |
| LDL3 | 0.16 | | mmol/l | < 0.18 |
| LDL4 | n.d. | | mmol/l | n.d. |
| LDL5 | n.d. | | mmol/l | n.d. |
| LDL6 | n.d. | | mmol/l | n.d. |
| LDL7 | n.d. | | mmol/l | n.d. |

Findings:

Total and total LDL cholesterol are increased.

Only non-pathogenic LDL particles of classes 1 - 2 could have been detected.

HDL with its protective effect is sufficiently present, the ratio of LDL/HDL indicates additional protection.

Findings are inconspicuous, there is no need of a therapy or further diagnostics. Due to increased non-pathogenic LDL particles a control examination is recommended in 6 months.

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|-----------------------------|-----------------|-------|-----------------|
| Oxidised LDL (oxLDL) | | | |
| LDL _{ox} | <90.0 | ng/ml | 90 - 133.2 |

The oxLDL is below the reference range and therefore does not indicate an increased risk.

Unsaturated fatty acids are doublebond and therefore particularly susceptible to radical oxidation. Peroxidation of lipids of the cell membrane lead to loss of function. Peroxidated LDL particles lead to vascular aging and atherosclerotic processes thus increasing the coronary risk.