AXINON®lipoFIT®-S100-400

Parameters of Lipoprotein Profiling

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The following parameters determined by *lipoFIT®-S100-400* can be used in conjunction with other measurements and clinical evaluation to support the assessment of lipoprotein or other metabolic disorders, e.g. in the context of cardiovascular disease.

Parameter	Unit	Description
Particle concentrations in lipoprotein classes and subclasses *)		
1. LVLDL-p	nmol/l	Concentration of large VLDL particles
2. LDL-p	nmol/l	Concentration of LDL particles
3. LLDL-p	nmol/l	Concentration of large LDL particles
4. SLDL-p	nmol/l	Concentration of small LDL particles
5. HDL-p	nmol/l	Concentration of HDL particles
6. LHDL-p	nmol/l	Concentration of large HDL particles
7. SHDL-p	nmol/l	Concentration of small HDL particles
Particle sizes *)		
8. VLDL-s	nm	Mean diameter of VLDL particles
9. LDL-s	nm	Mean diameter of LDL particles
10. HDL-s	nm	Mean diameter of HDL particles
Cholesterol concentrations [c] in lipoprotein classes and subclasses **)		
11. VLDL-c	mg/dl	[c] in VLDL class
12. IDL-c	mg/dl	[c] in IDL class
13. LDL-c	mg/dl	[c] in LDL class
14. LDL.A-c	mg/dl	[c] in LDL subclass A (large particles)
15. LDL.B-c	mg/dl	[c] in LDL subclass B (medium-sized particles)
16. LDL.C-c	mg/dl	[c] in LDL subclass C (small particles)
17. HDL.A-c	mg/dl	[c] in HDL subclass A (large particles)
18. HDL.B-c	mg/dl	[c] in HDL subclass B (medium-sized particles)
19. HDL.C-c	mg/dl	[c] in HDL subclass C (small particles)
Standard lipid parameters		
20. Total-Chol.	mg/dl	Concentration of total cholesterol in serum
21. LDL-Chol.	mg/dl	Concentration of LDL cholesterol in serum
22. HDL-Chol.	mg/dl	Concentration of HDL cholesterol in serum
23. Triglycerides	mg/dl	Concentration of total triglycerides in serum

*) These parameters were validated against another NMR method, already used in clinical routine.
**) These parameters were validated against a gel electrophoresis method.

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