

**Supplementary material**

**Effects of daily consumption of an aqueous dispersion of free-phytosterols nanoparticles on patients with metabolic syndrome: A randomised, double-blind, placebo-controlled clinical trial**

**Table S1. Schedule of procedures and assessments at each visit.**

Procedure/ assessment	Screening	Visit 1	Visit 2	Visit 3	Visit 4
Written informed consent		X			
Demographic information	X	X			
Health history	X	X			
Randomisation		X			
Concomitant medication	X	X	X	X	X
Physical examination		X	X	X	X
Vital signs: Blood pressure, heart rate		X	X	X	X
Anthropometric measurements: Height, weight, waist circumference	X	X	X	X	X
Lipid profile: Total cholesterol, LDL-c, VLDL-c, HDL-c, triglycerides, lipid particles	X	X	X	X	X
Biochemical profile: Insulin, fasting glycaemia	X	X	X	X	X
Glycated haemoglobin		X		X	X
Vitamin D		X	X	X	X
Pregnancy test (urine)		X			
Safety outcome evaluation			X	X	X
Bowel habit evaluation		X	X	X	X
Diet and physical activity		X	X	X	X
Participant's notebook check			X	X	X
Product delivery		X	X	X	
Phone contact	X-----				X

**Table S2.** Distribution of participants (%) with ‘abnormal’ levels for each MS criterion at baseline and visit 4 by group.

	Phytosterols (n=102)		Placebo (n=100)		Difference of proportion (in %) between groups* at V4 (95% CI)	p-value*
	Baseline n (%)	V4 n (%)	Baseline n (%)	V4 n (%)		
<b>Waist circumference</b>						
All ‘abnormal’	102 (100)	96 (94.12)	100 (100)	97 (97)	2.88 (-2.78 - 8.54)	0.321
- Men: ≥90 cm	28 (100)	27 (96.43)	26 (100)	26 (100)	3.57 (-3.3 - 10.44)	0.331
- Women: ≥80 cm	74 (100)	69 (93.24)	74 (100)	71 (95.95)	2.7 (-4.57 - 9.98)	0.467
<b>Triglycerides</b>						
All: ≥150 mg/dL	48 (47.06)	33 (32.35)	45 (45)	48 (48)	15.65 (2.29 - 29)	0.023
- Men	19 (67.86)	14 (50)	19 (73.08)	17 (65.38)	15.38 (-10.64 - 41.41)	0.253
- Women	29 (39.19)	19 (25.68)	26 (35.14)	31 (41.89)	16.21 (1.2 - 31.23)	0.037
<b>HDL-c</b>						
All ‘abnormal’	61 (59.8)	55 (53.92)	64 (64)	56 (56)	2.08 (-11.64 - 15.8)	0.767
- Men: <40 mg/dL	16 (57.14)	14 (50)	17 (65.38)	14 (53.85)	3.85 (-2.28 - 30.5)	0.778
- Women: <50 mg/dL	45 (60.81)	41 (55.41)	47 (63.51)	42 (56.76)	1.35 (-14.64 - 17.34)	0.868
<b>SBP ≥130 mmHg OR DBP ≥85 mmHg</b>						
All ‘abnormal’	57 (55.9)	39 (38.24)	43 (43)	36 (36)	2.24 (-15.56 - 11.09)	0.742
- Men	18 (64.29)	16 (57.1)	18 (69.23)	14 (53.8)	3.3 (-29.8 - 23.22)	0.808
- Women	39 (52.7)	23 (31.1)	25 (33.78)	22 (29.7)	-1.4 (-1.62 - 13.5)	0.858
<b>Glycemia</b>						
All: ≥100 mg/dL	25 (24.51)	30 (29.41)	18 (18)	23 (23)	-6.41 (-18.5 - 5.68)	0.300
- Men	5 (17.86)	7 (25)	7 (26.92)	9 (34.62)	9.62 (-14.71 - 33.94)	0.439
- Women	20 (27.03)	23 (31.08)	11 (14.86)	14 (18.92)	-12.16 (-25.98 - 1.65)	0.088

\*Difference between placebo – phytosterols using test of proportions.

**Table S3.** Median and 25<sup>th</sup>-75<sup>th</sup> percentiles for each secondary outcome at visits 2, 3, and 4 by group.

	Phytosterol (n=102)			Placebo (n=100)		
	V2	V3	V4	V2	V3	V4
<b>TChol</b> (mg/dL) (p25-p75) p-value*	187.5 (167-211)	195.5 (167-228)	193 (165-221)	198.5 (173.5-233.5) 0.0738	195.5 (173-223) 0.9405	195 (170-223) 0.5609
<b>LDL-c</b> (mg/dL) (p25-p75) p-value*	116.5 (94-139)	118 (97-143)	119.5 (96-138)	120.5 (102-147) 0.1193	117.5 (98-142) 0.8928	120.5 (102-140) 0.7189
<b>VLDL-c</b> (mg/dL) (p25-p75) p-value*	24 (18-41)	26.5 (20-36)	25 (18-35)	28 (19-40.5) 0.3576	27 (17-43) 0.5616	28.5 (18-37) 0.3026
<b>HDL-c</b> (mg/dL) (p25-p75) p-value*	44.5 (38-53)	46 (39-56)	46 (40-55)	44 (39-52) 0.7251	44 (38-51.5) 0.2262	45 (39-53.5) 0.6839
<b>TG</b> (mg/dL) (p25-p75) p-value*	120 (92-203)	126.5 (97-173)	123 (87-175)	144 (98.5-200.5) 0.2604	140.5 (87-214.5) 0.3698	145 (99.5-191.5) 0.1137
<b>FG</b> (mg/dL) (p25-p75) p-value*	91.5 (86-100)	92.5 (86-100)	95 (90-102)	92 (85.5-100) 0.8425	91 (87-99) 0.5911	92 (87-98) 0.1712
<b>HbA1c</b> (%) (p25-p75) p-value*	Not taken	5.42 (5.12-5.88)	5.42 (5.12-5.88)	Not taken	5.27 (5.08-5.77) 0.2128	5.28 (2.08-5.85) 0.2180
<b>FI</b> (μU/ml) (p25-p75) p-value*	16.4 (10.48-20.88)	16.68 (12.32-24.74)	17.68 (11.68-23.86)	13.96 (10.33-23.48) 0.8060	15.79 (10.73-22.25) 0.2707	16.45 (10.9-23.36) 0.4995
<b>HOMA-IR index</b> (p25-p75) p-value*	3.65 (2.28-5.21)	3.83 (2.67-5.83)	4.07 (2.69-6.32)	3.21 (2.26-6.1) 0.7967	3.55 (2.48-5.43) 0.2396	3.63 (2.42-5.45) 0.2755
<b>Weight</b> (kg) (p25-p75) p-value*	78.75 (72-90.2)	79.05 (71.1-90)	78.5 (71.7-90)	79.1 (69.5-90) 0.8851	79.15 (69.25-90.05) 0.6823	80.05 (68.75-90.1) 0.6859
<b>BMI</b> (kg/mt <sup>2</sup> ) (p25-p75) p-value*	30.81 (27.32-33.86)	30.6 (27.38-34.02)	30.27 (27.43-34.16)	30.99 (28.16-34.49) 0.4497	30.82 (28.29-34.99) 0.3368	30.94 (28.11-34.5) 0.3497
<b>WC</b> (cm) (p25-p75) p-value*	97 (92-106)	97 (91-103)	94 (89-102)	98.5 (93-108) 0.1864	100 (93-108.5) 0.0154	99 (93-109.5) 0.0022
<b>SBP</b> (mm Hg) (p25-p75) p-value*	120.5 (112-130)	121.5 (111-129)	119 (112-129)	119.5 (111.5-129.5) 0.6095	118.5 (111-131) 0.9042	119 (112.4-128) 0.9242
<b>DBP</b> (mm Hg) (p25-p75) p-value*	82 (74-89)	79 (74-87)	79.5 (73-87)	80 (74-85) 0.1214	81 (75.5-87) 0.4408	80 (72.5-86) 0.6820

\*p-value between phytosterol and placebo groups at V2, V3, and V4.

TChol: total cholesterol; LDL-c: low-density lipoprotein cholesterol; VLDL-c: very-low-density lipoprotein cholesterol; HDL-c: high-density lipoprotein cholesterol; TG: triglycerides; HbA1c: glycated haemoglobin; FI: fasting insulin; BMI: body mass index; WC: waist circumference; SBP: systolic blood pressure; DBP: diastolic blood pressure.

**Table S4.** Absolute difference between V2 and V1, V3 and V1, and V4 and V1 for each secondary outcome by group. All data are presented as median and 25<sup>th</sup>-75<sup>th</sup> percentiles.

	Phytosterol (n=102)			Placebo (n=100)		
	A Diff V2-V1	A Diff V3-V1	A Diff V4-V1	A Diff V2-V1	A Diff V3-V1	A Diff V4-V1
<b>TChol</b> (mg/dL) (p25-p75) p-value*	-6 (-16 - 4)	-1 (-13 - 14)	-3.5 (-20 9)	0 (-14.5 - 16.5) 0.0131	0 (-19.5 - 14) 0.9443	-1 (-18 - 12.5) 0.4206
<b>LDL-c</b> (mg/dL) (p25-p75) p-value*	-3.5 (-15 - 7)	-1 (-14 - 18)	-2 (-15 11)	0 (-14 - 10) 0.2027	-2.5 (-15 - 7.5) 0.5017	-1.5 (-15 - 8.5) 0.8510
<b>VLDL-c</b> (mg/dL) (p25-p75) p-value*	-1.5 (-8 - 3)	-1.5 (-8 - 4)	-3 (-11 - 4)	1 (-6.5 - 7.5) 0.0438	0 (-8 - 7.5) 0.1983	0 (-8 - 6) 0.1157
<b>HDL-c</b> (mg/dL) (p25-p75) p-value*	0 (-1 - 3)	2 (-1 - 7)	1 (-1 - 5)	1 (-2 - 3.5) 0.8943	1 (-2 - 4.5) 0.1083	1 (-2 - 5) 0.6563
<b>TG</b> (mg/dL) (p25-p75) p-value*	-9.5 (-42 - 14)	-13 (-46 - 17)	-16.5 (-57 - 15)	5 (-30.5 - 37) 0.0138	0.5 (-41.5 - 34.5) 0.0648	1.5 (-40 - 32) 0.0245
<b>FG</b> (mg/dL) (p25-p75) p-value*	-1 (-6 - 6)	0 (-4 - 5)	2 (-3 - 7)	2 (-4 - 6) 0.0467	1 (-4 - 6) 0.5404	1.5 (-3 - 6) 0.9769
<b>HbA1c</b> (%) (p25-p75) p-value*	Not taken	0.075 (-0.1 - 0.31)	0.2 (0.01 - 0.44)	Not taken	0.095 (-0.11 - 0.21) 0.8069	0.13 (0.01 - 0.43) 0.3653
<b>FI</b> (μU/ml) (p25-p75) p-value*	0.64 (-2.72 - 2.87)	1.15 (-2.17 - 5.8)	2.46 (-1.33 - 5.16)	1.34 (-2.95 - 6.21) 0.0848	2.28 (-1.4 - 6.2) 0.3875	2.67 (-1.1 - 5.48) 0.8135
<b>HOMA-IR index</b> (p25-p75) p-value*	0.01 (-0.87 - 0.63)	0.31 (-0.48 - 1.67)	0.62 (-0.25 - 1.46)	0.38 (-0.66 - 1.63) 0.0233	0.45 (-0.22 - 1.42) 0.4172	0.57 (-0.19 - 1.32) 0.9578
<b>Weight</b> (kg) (p25-p75) p-value*	0 (-1.1 - 1)	-0.15 (-1.6 - 1.3)	-0.2 (-2.1 - 1.4)	-0.15 (-1.2 - 0.9) 0.6378	0 (-0.8 - 1.55) 0.2696	0.4 (-0.95 - 1.55) 0.0905
<b>BMI</b> (kg/m <sup>2</sup> ) (p25-p75) p-value*	0 (-0.35 - 0.34)	-0.06 (-0.67 - 0.55)	-0.07 (-0.81 - 0.61)	-0.06 (-0.46 - 0.31) 0.5329	0 (-0.34 - 0.62) 0.2922	0.15 (-0.33 - 0.62) 0.1211
<b>WC</b> (cm) (p25-p75) p-value*	-1 (-4 - 1)	-2 (-5 - 0)	-4 (-7 - -1)	-0.75 (-3 - 1) 0.1666	0 (-2 - 2) 0.0011	0 (-3 - 2.5) 0.0001
<b>SBP</b> (mm Hg) (p25-p75) p-value*	-3.5 (-11 - 4)	-2.5 (-10 - 6)	-2 (-12 - 5)	-1 (-9 - 4) 0.4611	-0.5 (-10 - 5.5) 0.5062	-1 (-10.5 - 7.5) 0.2753
<b>DBP</b> (mm Hg) (p25-p75) p-value*	-2 (-8 - 3)	-2 (-9 - 3)	-2.5 (-9 - 3)	-2 (-9.5 - 2.5) 0.5382	-2 (-8 - 3.5) 0.6231	-3 (3.5 - -10) 0.9099

\*p-value between phytosterol and placebo groups.

TChol: total cholesterol; LDL-c: low-density lipoprotein cholesterol; VLDL-c: very-low-density lipoprotein cholesterol; HDL-c: high-density lipoprotein cholesterol; TG: triglycerides; HbA1c: glycated haemoglobin; FI: fasting insulin; BMI: body mass index; WC: waist circumference; SBP: systolic blood pressure; DBP: diastolic blood pressure

**Table S5.** Relative difference (%) between V2 and V1, V3 and V1, and V4 and V1 for each secondary outcome by group. All data are presented as median and 25<sup>th</sup>-75<sup>th</sup> percentiles.

	Phytosterol (n=102)			Placebo (n=100)		
	R Diff V2-V1	R Diff V3-V1	R Diff V4-V1	R Diff V2-V1	R Diff V3-V1	R Diff V4-V1
<b>TChol</b> (p25-p75) p-value*	-2.99 (-8.33 - 2.37)	-0.5 (-6.74 - 7.1)	-1.78 (-9.19 - 4.74)	0 (-7.27 - 8.89) 0.0120	0 (-9.62 - 8.39) 0.9722	-0.68 (-8.72 - 7.42) 0.3718
<b>LDL-c</b> (p25-p75) p-value*	-2.74 (-12.5 - 6.02)	-0.98 (-12 - 12.1)	-1.44 (-10.91 - 10.34)	0 (-11.44 - 10.31) 0.1764	-1.84 (-12.1 - 7.94) 0.6183	-0.94 (-11.37 - 8.7) 0.9376
<b>VLDL-c</b> (p25-p75) p-value*	-5.56 (-26.1 - 15.4)	-7.69 (-28.20 - 15.79)	-10.52 (-35.9 - 19.05)	3.52 (-19.44 - 25) 0.0263	0 (-25.54 - 31.03) 0.1883	0 (-21.28 - 62.15) 0.0381
<b>HDL-c</b> (p25-p75) p-value*	0 (-2.86 - 7.84)	5.33 (-2.70 - 14.47)	2.53 (-2.5 - 12.28)	1.82 (-4.77 - 7.9) 0.9625	2.17 (-4.6 - 10.87) 0.0770	2.56 (-5.20 - 10.07) 0.5077
<b>TG</b> (p25-p75) p-value*	-7.98 (-27.78 - 13.64)	-9.68 (-28.54 - 14.15)	-12.55 (-38.14 - 9.4)	3.9 (-18.9 - 24) 0.0151	.34 (-25.62 - 30.49) 0.0760	0.81 (-21.14 - 26.2) 0.0061
<b>FG</b> (p25-p75) p-value*	-1.16 (-6.5 - 6.52)	0 (-4.35 - 6.25)	1.88 (-3.45 - 8)	2.21 (-4.16 - 7.59) 0.0512	1.09 (-4.30 - 6.77) 0.4553	1.7 (-3.25 - 6.89) 0.9290
<b>HbA1c</b> (p25-p75) p-value*	Not taken	1.42 (-1.73 - 5.81)	3.95 (0.19 - 8.83)	Not taken	1.75 (-2.05 - 4.34) 0.8833	2.6 (0.16 - 8.4) 0.3763
<b>FI</b> (p25-p75) p-value*	3.04 (-13.71 - 20.79)	10.26 (-11.92 - 46.67)	17.6 (-6.71 - 45.63)	17.63 (-18.7 - 45.81) 0.0648	21.04 (-6.66 - 50.59) 0.2950	22.5 (-7.85 - 52.91) 0.5881
<b>HOMA-IR index</b> (p25-p75) p-value*	0.15 (-22 - 28.29)	9.81 (-16.7 - 55.8)	19.45 (-7.51 - 53.73)	14.7 (-20.03 - 53.26) 0.0211	22.65 (-7.32 - 52.04) 0.3062	25.12 (-6.48 - 57.52) 0.6353
<b>Weight</b> (p25-p75) p-value*	0 (-1.11 - 1.07)	-0.20 (-2.09 - 1.69)	-0.19 (-2.05 - 2)	-0.19 (-1.59 - 1.01) 0.5401	0 (-1.06 - 2.06) 0.3465	0.44 (-1.04 - 1.99) 0.1453
<b>BMI</b> (p25-p75) p-value*	0 (-1.11 - 1.07)	-0.20 (-2.09 - 1.69)	-0.19 (-2.05 - 2)	-0.19 (-1.59 - 1.01) 0.5401	0 (-1.06 - 2.06) 0.3465	0.44 (-1.04 - 1.99) 0.1453
<b>WC</b> (p25-p75) p-value*	-1.03 (-3.57 - 0.91)	-2.09 (-5.21 - 3.39)	-3.74 (-7.5 - 1.01)	-0.72 (-2.7 - 1.12) 0.1496	0 (-2.2 - 2.21) 0.0007	0 (-2.95 - 2.34) 0.0000
<b>SBP</b> (p25-p75) p-value*	-2.56 (-8 - 3.38)	-2.24 (-8 - 4.42)	-1.65 (-8.96 - 3.65)	-0.86 (-7.5 - 3.61) 0.5087	-0.38 (-7.98 - 4.62) 0.4972	-0.92 (-8.13 - 6.27) 0.2792
<b>DBP</b> (p25-p75) p-value*	-2.33 (-8.89 - 3.75)	-2.47 (-12.12 - 3.61)	-3.19 (-10.98 - 3.45)	-3.06 (-10.16 - 3.54) 0.5465	-2.59 (-9.81 - 4.17) 0.6064	-3.57 (-12.9 - 3.83) 0.9319

\*p-value between phytosterol and placebo groups.

TChol: total cholesterol; LDL-c: low-density lipoprotein cholesterol; VLDL-c: very-low-density lipoprotein cholesterol; HDL-c: high-density lipoprotein cholesterol; TG: triglycerides; HbA1c: glycated haemoglobin; FI: fasting insulin; BMI: body mass index; WC: waist circumference; SBP: systolic blood pressure; DBP: diastolic blood pressure

**Table S6.** Baseline characteristics of participants in the sub-sample to evaluate the particle number for lipoproteins by group. All data are presented as median and 25<sup>th</sup>-75<sup>th</sup> percentiles.

	<b>Phytosterol (n=59)</b>	<b>Placebo (n=57)</b>
<b>Sociodemographic variables</b>		
Age in months, median (p25-p75)	509 (416-630)	542 (418-631)
Sex		
Men, n (%)	19 (32.2)	19 (33.33)
Women, n (%)	40 (67.80)	38 (66.67)
Socioeconomic status (self-reported)		
High, n (%)	3 (5.08)	2 (3.51)
Middle, n (%)	56 (94.92)	55 (96.49)
Low, n (%)	0	0
<b>General health-related information</b>		
Underlying health condition		
Yes, n (%)	68(13.56)	11 (19.30)
No, n (%)	51 (86.44)	46 (80.70)
Concomitant medication		
Yes, n (%)	25 (42.37)	26 (45.61)
No, n (%)	34 (57.63)	31 (54.39)
Smoking		
Yes, n (%)	29 (49.15)	35 (61.40)
No, n (%)	30 (50.85)	22 (38.60)
Alcohol consumption		
Yes, n (%)	18 (30.51)	21 (36.84)
No, n (%)	41 (69.49)	36 (63.16)
Physical activity		
Yes, n (%)	31 (52.54)	31 (54.39)
No, n (%)	28 (47.46)	26 (45.61)
<b>Blood test parameters, median (p25-p75)</b>		
Total cholesterol (mg/dL)	196 (170-220)	191 (163-214)
LDL-c (mg/dL)	116 (99-141)	114 (98-133)
VLDL-c (mg/dL)	28 (21-42)	28 (18-42)
Insulin (µU/ml)	16.32 (10.44-24.11)	12.63 (8.86-19.39)
Glycated haemoglobin - HbA1c (%)	5.42 (5.07-6.07)	5.35 (5.01-5.76)
Vitamin D (ng/mL)	24.5 (20.2-28.8)	23.3 (18.6-29.2)
<b>Anthropometric measurements and vital signs, median (p25-p75)</b>		
Weight (kg)	82.9 (77.3-93.7)	83.8 (71-95)
Height (mt)	1.6 (1.55-1.68)	1.61 (1.55-1.71)
Body mass index (kg/mt <sup>2</sup> )	32.18 (28.68-35.21)	30.46 (28.59-34.31)
Heart rate (beats per minute)	72 (67-78)	71 (65-75)
<b>Metabolic syndrome variables, median (p25-p75)</b>		
Waist circumference (cm)	101 (96-110)	103 (94-111)
Triglycerides (mg/dL)	140 (108-221)	141 (92-208)
HDL-c (mg/dL)	42 (37-52)	43 (37-50)
Systolic blood pressure (mm Hg)	127 (118-137)	123 (113-138)
Diastolic blood pressure (mm Hg)	86 (80-94)	84 (76-90)
Fasting glycaemia (mg/dL)	95 (89-106)	92 (86-99)
<b>Lipoproteins at baseline, median (p25-p75)</b>		
LDL-p (nmol/L)	806.3 (695.1-917.3)	819.2 (719.6-933.73)
Small LDL-p (nmol/L)	444.4 (408.9-508.21)	472.17 (417.5-550)
Medium LDL-p (nmol/L)	225.8 (174.8-283.3)	224.2 (177.01-272.5)

Large LDL-p (nmol/L)	114.5 (94.11-124.6)	115.8 (99.79-130.7)
VLDL-p (nmol/L)	52.07 (35.6-85.8)	53.58 (34.41-78.71)
Small VLDL-p (nmol/L)	45.62 (29.06-73.29)	46.38 (29.65-68.86)
Medium VLDL-p (nmol/L)	5.59 (4.09-8.17)	5.68 (3.81-7.68)
Large VLDL-p (nmol/L)	1.29 (0.89-1.94)	1.27 (0.95-1.9)
HDL-p (μmol/L)	25.3 (22.03-28.3)	24.64 (20.6-28.3)
Small HDL-p (μmol/L)	16.52 (13.29-18.37)	16.51 (13.46-19.33)
Medium HDL-p (μmol/L)	8.45 (7.71-9.35)	8.19 (6.96-8.65)
Large HDL-p (μmol/L)	0.27 (0.24-0.3)	0.25 (0.23-0.3)

(p25-p75): 25<sup>th</sup> percentile and 75<sup>th</sup> percentile; LDL-c: low-density lipoprotein cholesterol; VLDL-c: very-low-density lipoprotein cholesterol; HDL-c: high-density lipoprotein cholesterol; VLDL-p: very-low-density lipoprotein particles; LDL-p: low-density lipoprotein particles; HDL-p: high-density lipoprotein particles.

**Table S7.** Median and 25<sup>th</sup>-75<sup>th</sup> percentiles for each lipoprotein at visits 2, 3, and 4 by group.

	Phytosterol (n=59)			Placebo (n=57)		
	V2	V3	V4	V2	V3	V4
<b>LDL-p</b> (nmol/L) (p25-p75)	803.5 (704.9-881.5)	831.6 (732.4-974.3)	880.8 (775.7-1024)	859.7 (718.5-1010)	908.3 (792-1007)	916.8 (791.5-1016)
<b>s-LDL-p</b> (nmol/L) (p25-p75)	459.8 (394.2-504)	475.1 (419.5-536.7)	530.2 (442.4-619.9)	492.6 (420-585.2)	515.8 (433.6-577.1)	542.3 (451.8-611.9)
<b>m-LDL-p</b> (nmol/L) (p25-p75)	227.5 (167-291.1)	235.5 (203.6-305.2)	240.4 (185.7-295.2)	227.8 (184.2-276)	251.5 (205.5-294.2)	256.15 (201.7-288.6)
<b>l-LDL-p</b> (nmol/L) (p25-p75)	114.7 (98.5-128.4)	116.1 (96.9-130.8)	115.2 (95.8-130.8)	109.2 (99.2-131.6)	118.5 (102-132.6)	114.9 (100.6-133.3)
<b>VLDL-p</b> (nmol/L) (p25-p75)	44.54 (31.6-71.2)	48.3 (38-64.7)	46.45 (33.6-75.6)	59.1 (37.3-82.8)	47.71 (29.5-74.2)	55.6 (32.2-73.3)
<b>s-VLDL-p</b> (nmol/L) (p25-p75)	38.36 (26.5-62)	40.63 (31.8-55.4)	40.59 (28.4-66.6)	53.55 (32-73.5)	42.11 (24.8-65)	49.66 (27.2-65.6)
<b>m-VLDL-p</b> (nmol/L) (p25-p75)	5.05 (4-7.7)	5.53 (4.5-7.6)	4.97 (4.1-7.5)	5.86 (4.3-7.7)	4.91 (3.8-7.55)	5.11 (4.1-6.5)
<b>l-VLDL-p</b> (nmol/L) (p25-p75)	1.15 (0.9-1.7)	1.15 (0.9-1.5)	1.12 (0.1-1.7)	1.36 (1.1-2)	1.16 (0.8-1.8)	1.37 (0.9-1.6)
<b>HDL-p</b> (μmol/L) (p25-p75)	23.75 (21.6-26.9)	24.57 (21.8-27.1)	23.91 (21.2-26.1)	23.84 (21.3-27)	22.7 (20.9-26.8)	23.45 (21.5-25.5)
<b>s-HDL-p</b> (μmol/L) (p25-p75)	15.93 (13.5-18)	16.27 (14.4-18.5)	15.51 (13.1-17.6)	16 (13.4-17.9)	15.5 (13.3-18.4)	15.55 (13.2-17.1)
<b>m-HDL-p</b> (μmol/L) (p25-p75)	7.93 (7.19-8.91)	8.06 (6.99-9.03)	7.96 (7.1-8.58)	7.68 (7.16-8.52)	7.78 (7.03-8.51)	7.92 (7.12-8.41)
<b>l-HDL-p</b> (μmol/L) (p25-p75)	0.25 (0.23-0.29)	0.26 (0.23-0.29)	0.25 (0.23-0.28)	0.25 (0.23-0.29)	0.25 (0.23-0.28)	0.25 (0.22-0.28)