

Excel column name	CSV column name	Biomarker name	CV% in whole UK Biobank *	CV% within spectrometer **	CV% between NMR spectrometers ***	PubChem ID	CAS, CHEBI or Uniprot ID
Total-C	Total_C	Total cholesterol	3.6	3.0	4.0		CHEBI: 50404
non-HDL-C	non_HDL_C	Total cholesterol minus HDL-C	3.9	3.3	4.4		
Remnant-C	Remnant_C	Remnant cholesterol (non-HDL, non-LDL - cholesterol)	3.7	3.4	4.0		
VLDL-C	VLDL_C	VLDL cholesterol	4.2	3.9	4.4		CHEBI: 47773
Clinical LDL-C	Clinical_LDL_C	Clinical LDL cholesterol	4.8	3.9	5.4		
LDL-C	LDL_C	LDL cholesterol	4.7	3.8	5.3		CHEBI: 47774
HDL-C	HDL_C	HDL cholesterol	3.4	3.0	3.7		CHEBI: 47775
Total-TG	Total_TG	Total triglycerides	3.6	3.4	3.8		CHEBI: 17855
VLDL-TG	VLDL_TG	Triglycerides in VLDL	4.1	3.9	4.2		CHEBI: 47776
LDL-TG	LDL_TG	Triglycerides in LDL	3.8	3.4	4.1		
HDL-TG	HDL_TG	Triglycerides in HDL	3.8	3.6	4.0		
Total-PL	Total_PL	Total phospholipids in lipoprotein particles	2.9	2.6	3.2		
VLDL-PL	VLDL_PL	Phospholipids in VLDL	4.0	3.8	4.2		
LDL-PL	LDL_PL	Phospholipids in LDL	4.0	3.3	4.5		
HDL-PL	HDL_PL	Phospholipids in HDL	2.9	2.6	3.1		
Total-CE	Total_CE	Total esterified cholesterol	3.7	3.1	4.1		
VLDL-CE	VLDL_CE	Cholesteryl esters in VLDL	4.1	3.8	4.3		
LDL-CE	LDL_CE	Cholesteryl esters in LDL	4.7	3.9	5.3		
HDL-CE	HDL_CE	Cholesteryl esters in HDL	3.5	3.0	3.8		
Total-FC	Total_FC	Total free cholesterol	3.4	3.0	3.8	5997	CHEBI: 16113
VLDL-FC	VLDL_FC	Free cholesterol in VLDL	4.4	4.2	4.5		
LDL-FC	LDL_FC	Free cholesterol in LDL	4.6	3.7	5.2		
HDL-FC	HDL_FC	Free cholesterol in HDL	3.2	2.9	3.4		
Total-L	Total_L	Total lipids in lipoprotein particles	3.3	2.9	3.6		
VLDL-L	VLDL_L	Total lipids in VLDL	4.0	3.8	4.1		
LDL-L	LDL_L	Total lipids in LDL	4.4	3.6	5.0		
HDL-L	HDL_L	Total lipids in HDL	3.0	2.7	3.3		
Total-P	Total_P	Total concentration of lipoprotein particles	3.5	3.0	3.8		
VLDL-P	VLDL_P	Concentration of VLDL particles	3.5	3.3	3.7		
LDL-P	LDL_P	Concentration of LDL particles	3.1	2.7	3.5		
HDL-P	HDL_P	Concentration of HDL particles	3.6	3.1	4.0		
VLDL size	VLDL_size	Average diameter for VLDL particles	0.2	0.2	0.3		

LDL size	LDL_size	Average diameter for LDL particles	0.1	0.1	0.1		
HDL size	HDL_size	Average diameter for HDL particles	0.1	0.1	0.2		
Phosphoglyc	Phosphoglyc	Phosphoglycerides	3.3	3.0	3.6	46931055	CHEBI: 17517
TG/PG	TG_by_PG	Ratio of triglycerides to phosphoglycerides	2.6	2.4	2.8		
Cholines	Cholines	Total cholines	3.2	2.8	3.4	305	62-49-7
Phosphatidylc	Phosphatidylc	Phosphatidylcholines	3.2	2.9	3.4	45266626	CHEBI: 64482
Sphingomyelins	Sphingomyelins	Sphingomyelins	3.7	3.2	4.1	44176376	
ApoB	ApoB	Apolipoprotein B	3.0	2.6	3.3		Uniprot: P04114
ApoA1	ApoA1	Apolipoprotein A1	2.9	2.6	3.2		Uniprot: P02647
ApoB/ApoA1	ApoB_by_ApoA1	Ratio of apolipoprotein B to apolipoprotein A1	1.9	1.8	2.0		
Total-FA	Total_FA	Total fatty acids	3.3	3.0	3.5		
Unsaturation	Unsaturation	Degree of unsaturation	0.8	0.6	0.9		
Omega-3	Omega_3	Omega-3 fatty acids	5.9	5.0	6.6		CHEBI: 25681
Omega-6	Omega_6	Omega-6 fatty acids	2.8	2.6	3.0		CHEBI: 36009
PUFA	PUFA	Polyunsaturated fatty acids	2.9	2.7	3.1		CHEBI: 26208
MUFA	MUFA	Monounsaturated fatty acids	4.0	3.7	4.2		
SFA	SFA	Saturated fatty acids	3.4	3.1	3.7		CHEBI: 26607
LA	LA	Linoleic acid	3.6	3.3	3.8		CAS: 60-33-3 CHEBI: 17351
DHA	DHA	Docosahexaenoic acid	7.3	6.7	7.7	445580	CAS: 6217-54-5 CHEBI: 36005
Omega-3 %	Omega_3_pct	Ratio of omega-3 fatty acids to total fatty acids	4.3	3.2	5.2	56842239	CHEBI: 25681
Omega-6 %	Omega_6_pct	Ratio of omega-6 fatty acids to total fatty acids	1.1	1.0	1.1	56842208	CHEBI: 36009
PUFA %	PUFA_pct	Ratio of polyunsaturated fatty acids to total fatty acids	1.0	0.9	1.0		CHEBI: 26208
MUFA %	MUFA_pct	Ratio of monounsaturated fatty acids to total fatty acids	1.2	1.2	1.2		
SFA %	SFA_pct	Ratio of saturated fatty acids to total fatty acids	0.6	0.5	0.7		CHEBI: 26607
LA %	LA_pct	Ratio of linoleic acid to total fatty acids	1.6	1.6	1.7		CAS: 60-33-3 CHEBI: 17351
DHA %	DHA_pct	Ratio of docosahexaenoic acid to total fatty acids	6.3	5.8	6.6		CAS: 6217-54-5 CHEBI: 36005
PUFA/MUFA	PUFA_by_MUFA	Ratio of polyunsaturated fatty acids to monounsaturated fatty acids	2.1	2.0	2.1		

Omega-6/Omega-3	Omega_6_by_Omega_3	Ratio of omega-6 fatty acids to omega-3 fatty acids	4.6	3.6	5.4		
Ala	Ala	Alanine	9.0	4.7	12.2	5950	CAS: 56-41-7 CHEBI: 16977
Gln	Gln	Glutamine	5.5	5.1	5.8	5961	CAS: 56-85-9 CHEBI: 18050
Gly	Gly	Glycine	10.6	10.5	10.7	750	CAS: 56-40-6 CHEBI: 15428
His	His	Histidine	8.9	9.1	8.8	6274	CAS: 71-00-1 CHEBI: 15971
Total BCAA	Total_BCAA	Total concentration of branched-chain amino acids (leucine + isoleucine + valine)	4.9	4.4	5.4		
Ile	Ile	Isoleucine	9.4	9.2	9.5	6306	CAS: 73-32-5 CHEBI: 17191
Leu	Leu	Leucine	5.9	5.8	6.0	6106	CAS: 61-90-5 CHEBI: 15603
Val	Val	Valine	4.5	3.5	5.2	6287	CAS: 72-18-4 CHEBI: 16414
Phe	Phe	Phenylalanine	10.1	9.8	10.3	6140	CAS: 60-18-4 CHEBI: 17295
Tyr	Tyr	Tyrosine	6.6	6.5	6.7	6057	CAS: 63-91-2 CHEBI: 17895
Glucose	Glucose	Glucose	4.4	3.4	5.2	5793	CAS: 50-99-7 CHEBI: 17234
Lactate	Lactate	Lactate	5.2	3.8	6.2	91435	CAS: 50-21-5 CHEBI: 24996
Pyruvate	Pyruvate	Pyruvate	6.9	6.9	6.9	107735	CAS: 127-17-3 CHEBI: 15361
Citrate	Citrate	Citrate	6.8	6.0	7.3	15012407	CAS: 77-92-9 CHEBI: 30769
Glycerol	Glycerol	Glycerol	8.0	7.8	8.2	753	CAS: 56-81-5 CHEBI: 17754
bOHbutyrate	bOHbutyrate	3-Hydroxybutyrate	12.5	11.7	13.1	441	CAS: 300-85-6 CHEBI: 10983
Acetate	Acetate	Acetate	24.5	23.0	25.7	175	CAS: 71-50-1 CHEBI: 15366
Acetoacetate	Acetoacetate	Acetoacetate	25.6	25.1	25.9	96	CAS: 541-50-4 CHEBI: 15344
Acetone	Acetone	Acetone	12.6	12.3	12.8		CAS: 67-64-1 CHEBI: 15347
Creatinine	Creatinine	Creatinine	5.4	5.2	5.5	588	CAS: 60-27-5 CHEBI: 16737
Albumin	Albumin	Albumin	3.2	3.0	3.4		CAS: 9048-49-1 Uniprot: Q14551
GlycA	GlycA	Glycoprotein acetyls	3.4	2.8	3.9		
XXL-VLDL-P	XXL_VLDL_P	Concentration of chylomicrons and extremely large VLDL particles	17.8	17.2	18.3		
XXL-VLDL-L	XXL_VLDL_L	Total lipids in chylomicrons and extremely large VLDL	16.8	16.0	17.5		

XXL-VLDL-PL	XXL_VLDL_PL	Phospholipids in chylomicrons and extremely large VLDL	22.3	21.5	22.9		
XXL-VLDL-C	XXL_VLDL_C	Cholesterol in chylomicrons and extremely large VLDL	11.9	11.3	12.3		
XXL-VLDL-CE	XXL_VLDL_CE	Cholesteryl esters in chylomicrons and extremely large VLDL	12.0	10.6	13.0		
XXL-VLDL-FC	XXL_VLDL_FC	Free cholesterol in chylomicrons and extremely large VLDL	14.8	14.2	15.3		
XXL-VLDL-TG	XXL_VLDL_TG	Triglycerides in chylomicrons and extremely large VLDL	25.7	24.9	26.2		
XL-VLDL-P	XL_VLDL_P	Concentration of very large VLDL particles	6.3	6.2	6.5		
XL-VLDL-L	XL_VLDL_L	Total lipids in very large VLDL	6.2	6.1	6.4		
XL-VLDL-PL	XL_VLDL_PL	Phospholipids in very large VLDL	9.6	9.3	9.8		
XL-VLDL-C	XL_VLDL_C	Cholesterol in very large VLDL	5.6	5.4	5.7		
XL-VLDL-CE	XL_VLDL_CE	Cholesteryl esters in very large VLDL	5.3	4.9	5.6		
XL-VLDL-FC	XL_VLDL_FC	Free cholesterol in very large VLDL	7.6	7.5	7.7		
XL-VLDL-TG	XL_VLDL_TG	Triglycerides in very large VLDL	7.1	6.8	7.3		
L-VLDL-P	L_VLDL_P	Concentration of large VLDL particles	4.9	4.7	5.1		
L-VLDL-L	L_VLDL_L	Total lipids in large VLDL	5.0	4.8	5.1		
L-VLDL-PL	L_VLDL_PL	Phospholipids in large VLDL	6.0	5.7	6.2		
L-VLDL-C	L_VLDL_C	Cholesterol in large VLDL	5.3	5.1	5.5		
L-VLDL-CE	L_VLDL_CE	Cholesteryl esters in large VLDL	5.4	5.2	5.5		
L-VLDL-FC	L_VLDL_FC	Free cholesterol in large VLDL	5.3	5.0	5.4		
L-VLDL-TG	L_VLDL_TG	Triglycerides in large VLDL	5.3	5.2	5.4		
M-VLDL-P	M_VLDL_P	Concentration of medium VLDL particles	4.6	4.2	4.9		
M-VLDL-L	M_VLDL_L	Total lipids in medium VLDL	4.5	4.1	4.8		
M-VLDL-PL	M_VLDL_PL	Phospholipids in medium VLDL	4.7	4.2	5.0		
M-VLDL-C	M_VLDL_C	Cholesterol in medium VLDL	4.9	4.5	5.3		
M-VLDL-CE	M_VLDL_CE	Cholesteryl esters in medium VLDL	5.6	5.0	6.0		
M-VLDL-FC	M_VLDL_FC	Free cholesterol in medium VLDL	4.9	4.5	5.2		

M-VLDL-TG	M_VLDL_TG	Triglycerides in medium VLDL	4.9	4.5	5.1		
S-VLDL-P	S_VLDL_P	Concentration of small VLDL particles	3.7	3.3	4.0		
S-VLDL-L	S_VLDL_L	Total lipids in small VLDL	3.7	3.3	4.0		
S-VLDL-PL	S_VLDL_PL	Phospholipids in small VLDL	3.9	3.4	4.2		
S-VLDL-C	S_VLDL_C	Cholesterol in small VLDL	3.9	3.4	4.2		
S-VLDL-CE	S_VLDL_CE	Cholesteryl esters in small VLDL	3.8	3.5	4.1		
S-VLDL-FC	S_VLDL_FC	Free cholesterol in small VLDL	4.1	3.6	4.5		
S-VLDL-TG	S_VLDL_TG	Triglycerides in small VLDL	4.0	3.7	4.2		
XS-VLDL-P	XS_VLDL_P	Concentration of very small VLDL particles	3.2	2.9	3.3		
XS-VLDL-L	XS_VLDL_L	Total lipids in very small VLDL	3.2	2.9	3.4		
XS-VLDL-PL	XS_VLDL_PL	Phospholipids in very small VLDL	3.2	2.8	3.5		
XS-VLDL-C	XS_VLDL_C	Cholesterol in very small VLDL	3.7	3.5	3.9		
XS-VLDL-CE	XS_VLDL_CE	Cholesteryl esters in very small VLDL	3.9	3.7	4.1		
XS-VLDL-FC	XS_VLDL_FC	Free cholesterol in very small VLDL	3.5	3.2	3.7		
XS-VLDL-TG	XS_VLDL_TG	Triglycerides in very small VLDL	3.3	3.0	3.6		
IDL-P	IDL_P	Concentration of IDL particles	3.4	3.1	3.7		
IDL-L	IDL_L	Total lipids in IDL	3.3	2.9	3.6		
IDL-PL	IDL_PL	Phospholipids in IDL	2.9	2.6	3.1		
IDL-C	IDL_C	Cholesterol in IDL	3.7	3.3	4.0		
IDL-CE	IDL_CE	Cholesteryl esters in IDL	3.7	3.3	4.1		
IDL-FC	IDL_FC	Free cholesterol in IDL	4.1	3.8	4.4		
IDL-TG	IDL_TG	Triglycerides in IDL	3.2	2.9	3.4		
L-LDL-P	L_LDL_P	Concentration of large LDL particles	3.2	2.9	3.5		
L-LDL-L	L_LDL_L	Total lipids in large LDL	4.4	3.6	4.9		
L-LDL-PL	L_LDL_PL	Phospholipids in large LDL	4.1	3.3	4.6		
L-LDL-C	L_LDL_C	Cholesterol in large LDL	4.6	3.8	5.3		
L-LDL-CE	L_LDL_CE	Cholesteryl esters in large LDL	4.8	3.9	5.4		
L-LDL-FC	L_LDL_FC	Free cholesterol in large LDL	4.5	3.6	5.1		
L-LDL-TG	L_LDL_TG	Triglycerides in large LDL	3.8	3.4	4.0		
M-LDL-P	M_LDL_P	Concentration of medium LDL particles	4.8	4.2	5.3		

M-LDL-L	M_LDL_L	Total lipids in medium LDL	5.0	4.1	5.7		
M-LDL-PL	M_LDL_PL	Phospholipids in medium LDL	4.9	4.0	5.6		
M-LDL-C	M_LDL_C	Cholesterol in medium LDL	5.2	4.3	5.9		
M-LDL-CE	M_LDL_CE	Cholesteryl esters in medium LDL	5.3	4.4	6.0		
M-LDL-FC	M_LDL_FC	Free cholesterol in medium LDL	5.2	4.1	6.1		
M-LDL-TG	M_LDL_TG	Triglycerides in medium LDL	4.3	3.8	4.6		
S-LDL-P	S_LDL_P	Concentration of small LDL particles	3.2	2.8	3.5		
S-LDL-L	S_LDL_L	Total lipids in small LDL	3.4	2.9	3.8		
S-LDL-PL	S_LDL_PL	Phospholipids in small LDL	2.8	2.4	3.0		
S-LDL-C	S_LDL_C	Cholesterol in small LDL	4.0	3.3	4.5		
S-LDL-CE	S_LDL_CE	Cholesteryl esters in small LDL	4.1	3.4	4.5		
S-LDL-FC	S_LDL_FC	Free cholesterol in small LDL	4.2	3.3	4.8		
S-LDL-TG	S_LDL_TG	Triglycerides in small LDL	3.5	3.3	3.7		
XL-HDL-P	XL_HDL_P	Concentration of very large HDL particles	3.3	3.0	3.6		
XL-HDL-L	XL_HDL_L	Total lipids in very large HDL	4.8	4.2	5.3		
XL-HDL-PL	XL_HDL_PL	Phospholipids in very large HDL	8.3	7.5	8.9		
XL-HDL-C	XL_HDL_C	Cholesterol in very large HDL	3.7	3.4	4.0		
XL-HDL-CE	XL_HDL_CE	Cholesteryl esters in very large HDL	4.0	3.8	4.2		
XL-HDL-FC	XL_HDL_FC	Free cholesterol in very large HDL	4.6	4.0	5.0		
XL-HDL-TG	XL_HDL_TG	Triglycerides in very large HDL	4.2	3.8	4.4		
L-HDL-P	L_HDL_P	Concentration of large HDL particles	4.3	4.1	4.4		
L-HDL-L	L_HDL_L	Total lipids in large HDL	3.6	3.4	3.8		
L-HDL-PL	L_HDL_PL	Phospholipids in large HDL	3.7	3.5	3.8		
L-HDL-C	L_HDL_C	Cholesterol in large HDL	4.3	4.1	4.4		
L-HDL-CE	L_HDL_CE	Cholesteryl esters in large HDL	4.4	4.2	4.5		
L-HDL-FC	L_HDL_FC	Free cholesterol in large HDL	4.4	4.2	4.6		
L-HDL-TG	L_HDL_TG	Triglycerides in large HDL	5.2	4.9	5.5		
M-HDL-P	M_HDL_P	Concentration of medium HDL particles	4.1	3.7	4.5		

M-HDL-L	M_HDL_L	Total lipids in medium HDL	3.7	3.4	4.0		
M-HDL-PL	M_HDL_PL	Phospholipids in medium HDL	3.4	3.1	3.7		
M-HDL-C	M_HDL_C	Cholesterol in medium HDL	4.3	3.8	4.7		
M-HDL-CE	M_HDL_CE	Cholesteryl esters in medium HDL	4.2	3.7	4.6		
M-HDL-FC	M_HDL_FC	Free cholesterol in medium HDL	4.7	4.2	5.1		
M-HDL-TG	M_HDL_TG	Triglycerides in medium HDL	4.2	3.9	4.4		
S-HDL-P	S_HDL_P	Concentration of small HDL particles	3.8	3.1	4.2		
S-HDL-L	S_HDL_L	Total lipids in small HDL	3.4	2.9	3.8		
S-HDL-PL	S_HDL_PL	Phospholipids in small HDL	3.2	2.8	3.5		
S-HDL-C	S_HDL_C	Cholesterol in small HDL	4.0	3.3	4.5		
S-HDL-CE	S_HDL_CE	Cholesteryl esters in small HDL	4.0	3.3	4.6		
S-HDL-FC	S_HDL_FC	Free cholesterol in small HDL	3.9	3.3	4.3		
S-HDL-TG	S_HDL_TG	Triglycerides in small HDL	3.1	2.9	3.3		
XXL-VLDL-PL %	XXL_VLDL_PL_pct	Phospholipids to total lipids ratio in chylomicrons and extremely large VLDL	8.0	7.8	8.2		
XXL-VLDL-C %	XXL_VLDL_C_pct	Cholesterol to total lipids ratio in chylomicrons and extremely large VLDL	8.3	7.1	9.1		
XXL-VLDL-CE %	XXL_VLDL_CE_pct	Cholesteryl esters to total lipids ratio in chylomicrons and extremely large VLDL	12.1	9.9	13.7		
XXL-VLDL-FC %	XXL_VLDL_FC_pct	Free cholesterol to total lipids ratio in chylomicrons and extremely large VLDL	5.3	5.1	5.5		
XXL-VLDL-TG %	XXL_VLDL_TG_pct	Triglycerides to total lipids ratio in chylomicrons and extremely large VLDL	10.2	10.2	10.3		
XL-VLDL-PL %	XL_VLDL_PL_pct	Phospholipids to total lipids ratio in very large VLDL	3.0	2.9	3.1		
XL-VLDL-C %	XL_VLDL_C_pct	Cholesterol to total lipids ratio in very large VLDL	2.2	1.9	2.3		
XL-VLDL-CE %	XL_VLDL_CE_pct	Cholesteryl esters to total lipids ratio in very large VLDL	3.7	3.3	4.1		
XL-VLDL-FC %	XL_VLDL_FC_pct	Free cholesterol to total lipids ratio in very large VLDL	2.6	2.5	2.6		

XL-VLDL-TG %	XL_VLDL_TG_pct	Triglycerides to total lipids ratio in very large VLDL	1.7	1.6	1.8		
L-VLDL-PL %	L_VLDL_PL_pct	Phospholipids to total lipids ratio in large VLDL	1.5	1.4	1.6		
L-VLDL-C %	L_VLDL_C_pct	Cholesterol to total lipids ratio in large VLDL	2.3	2.2	2.3		
L-VLDL-CE %	L_VLDL_CE_pct	Cholesteryl esters to total lipids ratio in large VLDL	2.7	2.7	2.8		
L-VLDL-FC %	L_VLDL_FC_pct	Free cholesterol to total lipids ratio in large VLDL	1.9	1.8	2.0		
L-VLDL-TG %	L_VLDL_TG_pct	Triglycerides to total lipids ratio in large VLDL	1.7	1.6	1.7		
M-VLDL-PL %	M_VLDL_PL_pct	Phospholipids to total lipids ratio in medium VLDL	1.1	1.1	1.2		
M-VLDL-C %	M_VLDL_C_pct	Cholesterol to total lipids ratio in medium VLDL	2.4	2.2	2.5		
M-VLDL-CE %	M_VLDL_CE_pct	Cholesteryl esters to total lipids ratio in medium VLDL	3.6	3.3	3.8		
M-VLDL-FC %	M_VLDL_FC_pct	Free cholesterol to total lipids ratio in medium VLDL	1.8	1.7	1.9		
M-VLDL-TG %	M_VLDL_TG_pct	Triglycerides to total lipids ratio in medium VLDL	1.8	1.7	1.9		
S-VLDL-PL %	S_VLDL_PL_pct	Phospholipids to total lipids ratio in small VLDL	0.7	0.6	0.8		
S-VLDL-C %	S_VLDL_C_pct	Cholesterol to total lipids ratio in small VLDL	1.4	1.3	1.5		
S-VLDL-CE %	S_VLDL_CE_pct	Cholesteryl esters to total lipids ratio in small VLDL	1.8	1.7	1.8		
S-VLDL-FC %	S_VLDL_FC_pct	Free cholesterol to total lipids ratio in small VLDL	1.3	1.1	1.5		
S-VLDL-TG %	S_VLDL_TG_pct	Triglycerides to total lipids ratio in small VLDL	1.7	1.5	1.8		
XS-VLDL-PL %	XS_VLDL_PL_pct	Phospholipids to total lipids ratio in very small VLDL	0.8	0.6	1.0		
XS-VLDL-C %	XS_VLDL_C_pct	Cholesterol to total lipids ratio in very small VLDL	1.2	1.1	1.3		
XS-VLDL-CE %	XS_VLDL_CE_pct	Cholesteryl esters to total lipids ratio in very small VLDL	1.6	1.4	1.6		
XS-VLDL-FC %	XS_VLDL_FC_pct	Free cholesterol to total lipids ratio in very small VLDL	0.8	0.8	0.8		
XS-VLDL-TG %	XS_VLDL_TG_pct	Triglycerides to total lipids ratio in very small VLDL	2.7	2.5	2.8		

IDL-PL %	IDL_PL_pct	Phospholipids to total lipids ratio in IDL	0.9	0.8	1.0		
IDL-C %	IDL_C_pct	Cholesterol to total lipids ratio in IDL	0.6	0.5	0.6		
IDL-CE %	IDL_CE_pct	Cholesteryl esters to total lipids ratio in IDL	0.7	0.7	0.8		
IDL-FC %	IDL_FC_pct	Free cholesterol to total lipids ratio in IDL	1.7	1.6	1.8		
IDL-TG %	IDL_TG_pct	Triglycerides to total lipids ratio in IDL	2.9	2.5	3.1		
L-LDL-PL %	L_LDL_PL_pct	Phospholipids to total lipids ratio in large LDL	0.9	0.8	1.0		
L-LDL-C %	L_LDL_C_pct	Cholesterol to total lipids ratio in large LDL	0.4	0.3	0.4		
L-LDL-CE %	L_LDL_CE_pct	Cholesteryl esters to total lipids ratio in large LDL	0.6	0.6	0.7		
L-LDL-FC %	L_LDL_FC_pct	Free cholesterol to total lipids ratio in large LDL	0.9	0.8	0.9		
L-LDL-TG %	L_LDL_TG_pct	Triglycerides to total lipids ratio in large LDL	2.7	2.1	3.0		
M-LDL-PL %	M_LDL_PL_pct	Phospholipids to total lipids ratio in medium LDL	0.9	0.9	0.9		
M-LDL-C %	M_LDL_C_pct	Cholesterol to total lipids ratio in medium LDL	0.5	0.4	0.5		
M-LDL-CE %	M_LDL_CE_pct	Cholesteryl esters to total lipids ratio in medium LDL	0.9	0.9	0.9		
M-LDL-FC %	M_LDL_FC_pct	Free cholesterol to total lipids ratio in medium LDL	1.2	1.0	1.3		
M-LDL-TG %	M_LDL_TG_pct	Triglycerides to total lipids ratio in medium LDL	2.8	2.2	3.2		
S-LDL-PL %	S_LDL_PL_pct	Phospholipids to total lipids ratio in small LDL	1.5	1.2	1.7		
S-LDL-C %	S_LDL_C_pct	Cholesterol to total lipids ratio in small LDL	0.8	0.6	0.9		
S-LDL-CE %	S_LDL_CE_pct	Cholesteryl esters to total lipids ratio in small LDL	1.0	0.9	1.1		
S-LDL-FC %	S_LDL_FC_pct	Free cholesterol to total lipids ratio in small LDL	1.4	1.1	1.6		
S-LDL-TG %	S_LDL_TG_pct	Triglycerides to total lipids ratio in small LDL	2.3	1.9	2.6		
XL-HDL-PL %	XL_HDL_PL_pct	Phospholipids to total lipids ratio in very large HDL	2.8	2.4	3.1		
XL-HDL-C %	XL_HDL_C_pct	Cholesterol to total lipids ratio in very large HDL	1.6	1.3	1.8		
XL-HDL-CE %	XL_HDL_CE_pct	Cholesteryl esters to total lipids ratio in very large HDL	2.2	1.8	2.4		

XL-HDL-FC %	XL_HDL_FC_pct	Free cholesterol to total lipids ratio in very large HDL	2.3	2.2	2.3		
XL-HDL-TG %	XL_HDL_TG_pct	Triglycerides to total lipids ratio in very large HDL	5.6	5.2	5.9		
L-HDL-PL %	L_HDL_PL_pct	Phospholipids to total lipids ratio in large HDL	0.6	0.5	0.6		
L-HDL-C %	L_HDL_C_pct	Cholesterol to total lipids ratio in large HDL	1.1	1.1	1.2		
L-HDL-CE %	L_HDL_CE_pct	Cholesteryl esters to total lipids ratio in large HDL	1.5	1.4	1.5		
L-HDL-FC %	L_HDL_FC_pct	Free cholesterol to total lipids ratio in large HDL	1.3	1.1	1.4		
L-HDL-TG %	L_HDL_TG_pct	Triglycerides to total lipids ratio in large HDL	4.5	4.3	4.7		
M-HDL-PL %	M_HDL_PL_pct	Phospholipids to total lipids ratio in medium HDL	0.5	0.4	0.5		
M-HDL-C %	M_HDL_C_pct	Cholesterol to total lipids ratio in medium HDL	0.8	0.6	0.9		
M-HDL-CE %	M_HDL_CE_pct	Cholesteryl esters to total lipids ratio in medium HDL	0.8	0.7	1.0		
M-HDL-FC %	M_HDL_FC_pct	Free cholesterol to total lipids ratio in medium HDL	1.1	0.9	1.2		
M-HDL-TG %	M_HDL_TG_pct	Triglycerides to total lipids ratio in medium HDL	3.6	3.1	4.0		
S-HDL-PL %	S_HDL_PL_pct	Phospholipids to total lipids ratio in small HDL	0.4	0.3	0.5		
S-HDL-C %	S_HDL_C_pct	Cholesterol to total lipids ratio in small HDL	0.8	0.6	0.9		
S-HDL-CE %	S_HDL_CE_pct	Cholesteryl esters to total lipids ratio in small HDL	1.0	0.7	1.2		
S-HDL-FC %	S_HDL_FC_pct	Free cholesterol to total lipids ratio in small HDL	0.6	0.5	0.7		
S-HDL-TG %	S_HDL_TG_pct	Triglycerides to total lipids ratio in small HDL	2.5	2.1	2.7		

* Coefficient of variation as observed from blind duplicate samples included as part of the Nightingale UK Biobank project. For scatter plots of consistency and further details, please see:
<https://biobank.ndph.ox.ac.uk/showcase/label.cgi?id=220>

** Coefficient of variation for blind duplicate samples measured within the same NMR spectrometer.

*** Coefficient of variation for blind duplicate samples measured in different NMR spectrometers.