

Triglycerides						
Analytical Performance Specification			RCV Calculation			
Matrix	BV Estimate	median CV estimate	lower CI limit	higher CI limit	Comments	Date Updated
Serum/plasma	👤	19.9	18.3	21.6		21/9/2023
Serum/plasma	👥	37.4	23.4	40.5		21/9/2023

Colour Key for References

Included In Meta Analysis Not Included In Meta Analysis

Reference	Dataset	Estimate of CVI	Estimate of CVG	Gender	Age	State of Well Being	Matrix	Sampling Interval
Variation in concentrations of lipids, lipoprotein lipids, and apolipoproteins A-I and B in plasma from healthy women Brown SA, Boerwinkle E, Kashanian FK, Swanson N and Patsch W, Clin Chem, 207-10, 36, 1990 View		22.2	23.13	Females		Healthy	Plasma	1 per Other
Short-term and long-term intra-individual variations and critical differences of clinical chemical laboratory parameters Costongs GMPJ, Janson PCW and Bas BM, J Clin Chem Clin Biochem, 7-16, 23, 1985 View		21.6		Mixed		Healthy	Serum	1 per Month
Intra-individual variation of serum cholesterol, triglycerides and high density lipoprotein cholesterol in normal humans Demacker PNM, Schade RWB, Jansen RTP and Van't Laar A, Atherosclerosis, 259-66, 45, 1982 View		24.2		Males	32.0	Healthy	Serum	2 per Week
Intra-individual variation of serum cholesterol, triglycerides and high density lipoprotein cholesterol in normal		25.0		Males	32.0	Healthy	Serum	1 per

humans	View	25.9	Males	32.0	Healthy		Month
Demacker PNM, Schade RWB, Jansen RTP and Van't Laar A, Atherosclerosis, 259-66, 45, 1982							
View							
Intra-individual variation of serum cholesterol, triglycerides and high density lipoprotein cholesterol in normal humans	View	32.1	Females	32.0	Healthy	Serum	2 per Week
Demacker PNM, Schade RWB, Jansen RTP and Van't Laar A, Atherosclerosis, 259-66, 45, 1982							
View							
Intra-individual variation of serum cholesterol, triglycerides and high density lipoprotein cholesterol in normal humans	View	15.6	Females	32.0	Healthy	Serum	2 per Week
Demacker PNM, Schade RWB, Jansen RTP and Van't Laar A, Atherosclerosis, 259-66, 45, 1982							
View							
Intra-individual variation of serum cholesterol, triglycerides and high density lipoprotein cholesterol in normal humans	View	19.9	Females	32.0	Healthy	Serum	1 per Month
Demacker PNM, Schade RWB, Jansen RTP and Van't Laar A, Atherosclerosis, 259-66, 45, 1982							
View							
Variability of plasma lipids and lipoproteins: the Jerusalem Lipid Research Clinic Study	View	30.5	Females	60.0	Healthy	Plasma	1 per Month
Friedlander Y, Kark JD and Stein Y, Clin Chem, 1121-6, 31, 1985							
View							
Variability of plasma lipids and lipoproteins: the Jerusalem Lipid Research Clinic Study	View	28.3	Males	40.0	Healthy	Plasma	1 per Month
Friedlander Y, Kark JD and Stein Y, Clin Chem, 1121-6, 31, 1985							

Friedlander Y, Kark JD and Stein Y, Clin Chem, 1121-6, 31, 1985

View

Variability of plasma lipids and lipoproteins: the Jerusalem Lipid Research Clinic Study

Friedlander Y, Kark JD and Stein Y, Clin Chem, 1121-6, 31, 1985

View

26.6

Females

40.0

Healthy

Plasma

1 per Month

View

Intra-individual variation of some analytes in serum of patients with insulin-dependent diabetes mellitus

Hölzel WGE, Clin Chem, 57-61, 33, 1987

View

17.5

Females

33.5

Healthy

Serum

1 per Week

View

Intra-individual variation of some analytes in serum of patients with insulin-dependent diabetes mellitus

Hölzel WGE, Clin Chem, 57-61, 33, 1987

View

19.0

Males

41.8

Healthy

Serum

1 per Week

View

Age dependence of within-subject biological variation of nine common clinical chemistry analytes

Carobene A, Graziani MS, Lo Cascio C, Tretti L, Cremonese E, Yabarek T, Gambaro G and Ceriotti F., Clin Chem Lab Med, 841-4, 50, 2012

View

27.0

Mixed

Healthy

Serum

1 per Week

View

Age dependence of within-subject biological variation of nine common clinical chemistry analytes

Carobene A, Graziani MS, Lo Cascio C, Tretti L, Cremonese E, Yabarek T, Gambaro G and Ceriotti F., Clin Chem Lab Med, 841-4, 50, 2012

View

26.6

Mixed

Healthy

Serum

1 per Week

View

Biological variation of

biological variation of glucose, insulin and lipids in lean, insulin-sensitie and obese, insulin-resistant chinese males without diabetes	View	24.1	45.1	Males		Healthy	Serum	1 per Week
Rizi EP, Baig S, Toh SA and Khoo CM, Pathology , 510-2, 48, 2016								
View								
Biological variation of lipids and lipoproteins in fingerstick blood	View	14.7		Mixed	40.3	Healthy	Whole blood	1 per Month
Kafonek SD, Donovan L, Lovejoy KL and Bachorik PS, Clin Chem, 2002-7, 42, 1996								
View								
Biological variability of Cholesterol, Triglyceride, Low- and High-density lipoprotein Cholesterol, Lipoprotein(a), and Apolipoproteins A-I and B	View	28.2		Mixed		Healthy	Plasma	2 per Month
Marcovina SM, Gaur VP and Albers JJ, Clin Chem, 574-8, 40, 1994								
View								
A longitudinal study of the biological variability of plasma lipoproteins in healthy young adults	View	21.4		Males	28.0	Healthy	Serum	1 per Other
Mjøs O, Rao S,Bjørø, Henden T, Thelle D,Førde O and Miller N, Atherosclerosis, 75-81, 34, 1979								
View								
A longitudinal study of the biological variability of plasma lipoproteins in healthy young adults	View	30.4		Females	28.0	Healthy	Serum	1 per Other
Mjøs O, Rao S,Bjørø, Henden T, Thelle D,Førde O and Miller N, Atherosclerosis, 75-81, 34, 1979								
View								
Physiological and analytical variation in cholesterol and triglycerides	View	18.55		Mixed		Healthy	Serum	1 per Month
Warnick GR, Albers JJ, Lipids, 202 2, 11, 1076								

203-8, 11, 1976

View

Significance of various parameters derived from biological variability for lipid and lipoprotein analyses

View

17.7

23.0

Mixed

Healthy

Serum

1 per Week

Pagani F and Panteghini M, Clin Biochem, 415-20, 26, 1993

View

Physiological and analytical variation in cholesterol and triglycerides

View

17.7

Mixed

Healthy

Serum

1 per Week

Warnick GR, Albers JJ, Lipids, 203-8, 11, 1976

View

Diurnal and monthly intra-individual variability of the concentration of lipids, lipoproteins and apoproteins

View

20.7

Mixed

Healthy

Serum

1 per Week

Wasenius A, Stugaard M, Otterstad JE, Froyshov D, Scand J Clin Lab Invest, 632-42, 50, 1990

View

Biological variation and reference change value of common clinical chemistry and haematologic laboratory analytes in the elderly population

View

17.9

31.6

Males

Healthy

Serum

1 per Week

Pineda-Tenor D , Laserna-Mendieta EJ, Timon-Zapata J, Rodelgo-Jimenez L, Ramos-Corral R, Recio-Montealegre A and Gomez-Serranillos Reus M, Clin Chem Lab Med, 851-62, 51, 2013

View

Biological variation and reference change value of common clinical chemistry and haematologic laboratory analytes in the elderly population

View

20.3

34.0

Females

Healthy

Serum

1 per Week

Pineda-Tenor D , Laserna-Mendieta EJ, Timon-Zapata J, Rodelgo-Jimenez L, Ramos-Corral R, Recio-Montealegre A and Gomez-Serranillos Reus M, Clin Chem Lab Med, 851-62, 51, 2013

Mendieta EJ, Iimon-Zapata J, Rodelgo-Jimenez L, Ramos-Corral R, Recio-Montealegre A and Gomez-Serranillos Reus M, Clin Chem Lab Med, 851-62, 51, 2013

View

Variación biológica de lípids y lipoproteinas séricas en individuos sanos y pacientes con enfermedad renal crónica terminal

View

24.758.4MixedHealthySerum1 per Week

Corte Z and Venta R, Rev Lab Clin, 88-95, 7, 2014

View

Variabilità biologica ed analitica e differenza critica di 21 analiti “comuni”

View

26.5MixedHealthySerum1 per Week

Dimitri G, Bolner A and Gheller A, Biochim Clin, 401-3, 16, 1992

View

Within- and between-subject variationin comoly measured anthropometricand biochemical variables.

View

21.020.0Mixed22.7HealthySerum1 per Day

Widjaja A, Morris RJ, Levy JC, Frayn KN, Manley SE and Turner RC, Clin Chem , 561-6, 45, 1999

View

Day-to-day variability of serum cholesterol, trigliceryde, and high-density lipoprotein cholesterol levels

View

21.0Mixed32.0HealthySerum3 per Week

Bookstein MS, Gidding S, Donovan M and Smith F, Arch Intern Med, 1653-7, 150, 1990

View

Short-term intraindividual variability in lipoprotein measurements: the atherosclerosis risk communities (ARIC) study

View

18.4MixedHealthyPlasma1 per Week

Chambless LE, McMahon RP, Brown SA, Patsch W, Heiss G and Shen Y. Am J Epidem.

1069-1081, 0136, 1992

View

Intra-individual variation of serum cholesterol, triglycerides and high density lipoprotein cholesterol in normal humans

View

24.1

Females

32.0

Healthy

Serum

1 per Month

Demacker PNM, Schade RWB, Jansen RTP and Van't Laar A, Atherosclerosis, 259-66, 45, 1982

View

Variability of plasma lipids and lipoproteins: the Jerusalem Lipid Research Clinic Study

View

31.6

Males

60.0

Healthy

Plasma

1 per Month

Friedlander Y, Kark JD and Stein Y, Clin Chem, 1121-6, 31, 1985

View

Influence of hypertension and antihypertensive drugs on the biological intra-individual variation of electrolytes and lipids in serum

View

19.0

Males

41.8

Healthy

Serum

1 per Week

Hölzel WGE, Clin Chem, 1485-8, 34, 1988

View

Biological variation of lipids and lipoproteins in fingerstick blood

View

15.8

Mixed

40.3

Healthy

Serum

1 per Month

Kafonek SD, Donovan L, Lovejoy KL and Bachorik PS, Clin Chem, 2002-7, 42, 1996

View

The EuBIVAS: within- and between-subject biological variation data for electrolytes, lipids, urea, uric acid, total protein, total bilirubin, direct bilirubin and glucose

View

19.8

40.3

Mixed

Healthy

Serum

1 per Week

Aarsand AK, Diaz-Garzón J, Fernández-Calle P, et al, Clin Chem, 1380-93, 64(9), 2018

View

<div>Individual Character of Variation in Time-Series Studies of Healthy People II. Differences in Values for Clinical Chemical Analytes in Serum among Demographic Groups by Age and Sex</div> <div>Williams GZ, Widdowson GM and Penton J, Clin Chem, 313-20, 24, 1978</div> <div>View</div>	<div>27.0</div>	<div>47.3</div>	<div>Mixed</div>	<div>Healthy</div>	<div>Serum</div>	<div>1 per Week</div>
<div>Variability in cholesterol measuraments: comparison of calculated and direct LDL cholesterol determinations</div> <div>Schectman G, Patsches M and Sasse EA, Clin Chem, 732-7, 42, 1996</div> <div>View</div>	<div>19.6</div>		<div>Males</div>	<div>Healthy</div>	<div>Serum</div>	<div>1 per Month</div>
<div>Variabilità biologica intra-individuo: rassegna della letteratura, contributo sperimentale e considerazioni critiche</div> <div>Chitto G, Fabi A, Franzini C, Galletta G, Leonardi A, Marelli M and Morelli AM, Biochim Clin, 673-690, 18, 1994</div> <div>View</div>	<div>15.6</div>		<div>Mixed</div>	<div>Healthy</div>	<div>Serum</div>	<div>4 per Day</div>
<div>Daily variation of lipids and hormones in sera of healthy subjects</div> <div>Hammond J, Wentz P, Statland BE, Phillips JC and Winkel P, Clin Chim Acta, 347-52, 73, 1976</div> <div>View</div>	<div>25.0</div>	<div>69.8</div>	<div>Mixed</div>	<div>Healthy</div>	<div>Serum</div>	<div>3 per Week</div>
<div>Reference change values of blood analytes from physically active subjects</div> <div>Nunes LA, Brenzikofer R and Vaz de Macedo D, Eur J Appl Physiol, 191-8, 110, 2010</div> <div>View</div>	<div>24.0</div>	<div>36.6</div>	<div>Males</div>	<div>Healthy</div>	<div>Serum</div>	<div>1 per Month</div>
<div>The variability of and associations between</div>						

measures of blood coagulation, fibrinolysis and blood lipids	View	27.3	23.9	Males	21.2	Healthy	Serum	1 per Month
Marckmann P, Sandström B, Jespersen J., Atherosclerosis, 235-44, 96, 1992								
View								
Short and long term variability of selected indices related to nutritional status. II. Vitamins, lipids, and protein indices	View	22.1	26.6	Females		Healthy	Serum	1 per Month
Gallagher SK, Johnson AK, Milne DB, Clin Chem, 1449-53, 38, 1992								
View								
Biological variability of 26 clinical chemistry analytes in elderly people	View	15.3	27.8	Mixed		Healthy	Serum	2 per Month
Fraser CG., Cummings ST., Wilkinson SP., Neville RG., Knox JDE, Ho O and MacWalter RS, Clin Chem, 783-6, 35, 1989								
View								
Intra-individual variation: significant changes in parameters of lipid and carbohydrate metabolism in the individual and intra-individual variation in different test populations	View	17.5		Mixed		Healthy	Serum	1 per Week
Godsland IF, Ann Clin Biochem, 618-24, 22, 1985								
View								
Within-person fluctuations of serum cholesterol and lipoproteins	View	21.1		Mixed		Healthy	Serum	1 per Week
Mogadam M, Ahmed S, Mensch A and Godwin I, Arch Intern Med, 1645-8, 150, 1990								
View								
Biological variation data applied to the selection of serum lipid ratios used as risk markers of coronary heart disease	View	18.2	19.7	Males		Healthy	Serum	1 per

Coronary heart disease.	View	10.4	20.7	Mixed	Healthy		Month	
Ortolá J, Castiñeiras MJ, Fuentes-Arderiu X., Clin Chem, 56-9, 38, 1992								
View								
Short-term and long-term intra-individual variations and critical differences of clinical chemical laboratory parameters	View	14.3		Mixed	Healthy	Serum	4 per Day	
Costongs GMPJ, Janson PCW and Bas BM, J Clin Chem Clin Biochem, 7-16, 23, 1985								
View								
Biological variability of lipoproteins and apolipoproteins in patients referred to a lipid clinic	View	17.3		Females	52.0	Non-healthy	Plasma	"No Sampling Intervals"
Kafonek SD, Derby CA and Bachorik PS, Clin Chem, 864-72, 38, 1992								
View								
Intra-individual variation of serum cholesterol, triglycerides and high density lipoprotein cholesterol in normal humans	View	23.8		Females	32.0	Healthy	Serum	4 per Day
Demacker PNM, Schade RWB, Jansen RTP and Van't Laar A, Atherosclerosis, 259-66, 45, 1982								
View								
Intra-individual variation of some analytes in serum of patients with chronic renal failure	View	15.4		Mixed		Non-healthy	Serum	"No Sampling Intervals"
Hölzel WGE, Clin Chem, 670-3, 33, 1987								
View								
Biological variation of laboratory analytes based on the 1999–2002 National Health and Nutrition Examination Survey	View	26.4		Females		Healthy	Plasma	1 per Other
Lacher DA, Hughes JP and Carroll MD, Natl Health Stat Report , , 21, 2010								

View									
Biological variation of laboratory analytes based on the 1999–2002 National Health and Nutrition Examination Survey									
<div>View</div>	27.8		Mixed		Healthy	Plasma	1 per Other		
Lacher DA, Hughes JP and Carroll MD, Natl Health Stat Report , , 21, 2010									
View									
Variability of plasma lipids and lipoproteins: the Jerusalem Lipid Research Clinic Study									
<div>View</div>	29.3		Females	17.0	Healthy	Plasma	1 per Month		
Friedlander Y, Kark JD and Stein Y, Clin Chem, 1121-6, 31, 1985									
View									
Biological variation of laboratory analytes based on the 1999–2002 National Health and Nutrition Examination Survey									
<div>View</div>	28.9		Males		Healthy	Plasma	1 per Other		
Lacher DA, Hughes JP and Carroll MD, Natl Health Stat Report , , 21, 2010									
View									
Intra-individual variation of serum cholesterol, triglycerides and high density lipoprotein cholesterol in normal humans									
<div>View</div>	35.7		Males	32.0	Healthy	Serum	3 per Hour		
Demacker PNM, Schade RWB, Jansen RTP and Van't Laar A, Atherosclerosis, 259-66, 45, 1982									
View									
Pediatric within-day biological variation and quality spcifications for 38 biochemical markers in the CALIPER cohort									
<div>View</div>	27.0	24.8	Mixed		Healthy	Serum	3 per Hour		
Bailey D, Bevilacqua V, Colantonio DA, Pasic MD, Perumal N, Chan MK and Adeli K, Clin Chem, 518-29, 60, 2014									
View									

Short and long term variability of selected indices related to nutritional status. II. Vitamins, lipids, and protein indices	View	31.9	18.3	Females	Healthy	Serum	1 per Week
Gallagher SK, Johnson AK, Milne DB, Clin Chem, 1449-53, 38, 1992							
View							

Short and long term variability of selected indices related to nutritional status. II. Vitamins, lipids, and protein indices	View	9.0	40.2	Females	Healthy	Serum	1 per Week
Gallagher SK, Johnson AK, Milne DB, Clin Chem, 1449-53, 38, 1992							
View							

Intra-individual variation of some analytes in serum of patients with insulin-dependent diabetes mellitus	View	21.8		Males	38.7	Non-healthy	Serum	1 per Week
Hölzel WGE, Clin Chem, 57-61, 33, 1987								
View								

Intra-individual variation of serum cholesterol, triglycerides and high density lipoprotein cholesterol in normal humans	View	22.2		Females	32.0	Healthy	Serum	4 per Day
Demacker PNM, Schade RWB, Jansen RTP and Van't Laar A, Atherosclerosis, 259-66, 45, 1982								
View								

Biological variation and reference change value of common clinical chemistry and haematologic laboratory analytes in the elderly population	View	19.5	30.4	Females	Healthy	Serum	1 per Week
Pineda-Tenor D , Laserna-Mendieta EJ, Timon-Zapata J, Rodelgo-Jimenez L, Ramos-Corral R, Recio-Montealegre A and Gomez-Serranillos Reus M, Clin Chem Lab Med, 851-62, 51 2013							

View									
Influence of hypertension and antihypertensive drugs on the biological intra-individual variation of electrolytes and lipids in serum	View	21.8		Males	46.8	Non-healthy	Serum	1 per Week	
Hölzel WGE, Clin Chem, 1485-8, 34, 1988									
View									
Short and long term variability of selected indices related to nutritional status. II. Vitamins, lipids, and protein indices	View	12.0	17.4	Females		Healthy	Serum	1 per Day	
Gallagher SK, Johnson AK, Milne DB, Clin Chem, 1449-53, 38, 1992									
View									
Intra-individual variation of some analytes in serum of patients with insulin-dependent diabetes mellitus	View	20.0		Females	31.8	Non-healthy	Serum	1 per Week	
Hölzel WGE, Clin Chem, 57-61, 33, 1987									
View									
Biological variability of lipoproteins and apolipoproteins in patients referred to a lipid clinic	View	17.3		Males	51.0	Non-healthy	Plasma	"No Sampling Intervals"	
Kafonek SD, Derby CA and Bachorik PS, Clin Chem, 864-72, 38, 1992									
View									
Biological variability of lipoproteins and apolipoproteins in patients referred to a lipid clinic	View	17.8		Mixed	28.0	Non-healthy	Plasma	"No Sampling Intervals"	
Kafonek SD, Derby CA and Bachorik PS, Clin Chem, 864-72, 38, 1992									
View									
Estimate of biological									

variation of laboratory analytes based on the third National Health and Nutrition Examination Survey <div>Lacher DA, Hughes JP and Carroll MD, Clin Chem, 450-2, 51, 2005</div> <div>View</div>	56.8	Males	40.0	Healthy	Serum	"No Sampling Intervals"
View						
Age dependence of within-subject biological variation of nine common clinical chemistry analytes <div>Carobene A, Graziani MS, Lo Cascio C, Tretti L, Cremonese E, Yabarek T, Gambaro G and Ceriotti F., Clin Chem Lab Med, 841-4, 50, 2012</div> <div>View</div>	11.7	Mixed		Healthy	Serum	1 per Week
View						
Short and long term variability of selected indices related to nutritional status. II. Vitamins, lipids, and protein indices <div>Gallagher SK, Johnson AK, Milne DB, Clin Chem, 1449-53, 38, 1992</div> <div>View</div>	24.7	39.1	Females	Healthy	Serum	1 per Month
View						
Estimate of biological variation of laboratory analytes based on the third National Health and Nutrition Examination Survey <div>Lacher DA, Hughes JP and Carroll MD, Clin Chem, 450-2, 51, 2005</div> <div>View</div>	28.8	Males	40.0	Healthy	Serum	2 per Month
View						
Biological variability of lipoproteins and apolipoproteins in patients referred to a lipid clinic <div>Kafonek SD, Derby CA and Bachorik PS, Clin Chem, 864-72, 38, 1992</div> <div>View</div>	23.2	Females	9.0	Non-healthy	Plasma	"No Sampling Intervals"
View						
Biological variation of glucose, insulin and						

lipids in lean, insulin-sensitive and obese, insulin-resistant chinese males without diabetes	View	23.8	56.0	Males		Non-healthy	Serum	1 per Week
Rizi EP, Baig S, Toh SA and Khoo CM, Pathology , 510-2, 48, 2016								
View								
Biological variability of lipoproteins and apolipoproteins in patients referred to a lipid clinic	View	16.3		Males	9.0	Non-healthy	Plasma	"No Sampling Intervals"
Kafonek SD, Derby CA and Bachorik PS, Clin Chem, 864-72, 38, 1992								
View								
Analytical and biological variability in biomarker measurement in the Hispanic Community Health Study/Study of Latinos	View	18.7		Mixed		Healthy	Serum	1 per Month
Thyagarajan B, Howard AG, Durazo-Arvizu R, Eckfeldt JH, Gellman MD, Kim RS, Liu K, Mendez AJ, Penedo FJ, Talavera GA, Youngblood ME, Zhao L and Sotres-Alvarez D, Clin Chim Acta, 129-137, 463, 2016								
View								
The EuBIVAS: within- and between-subject biological variation data for electrolytes, lipids, urea, uric acid, total protein, total bilirubin, direct bilirubin and glucose	View	22.7	42.9	Males	35.0	Healthy	Serum	1 per Week
Aarsand AK, Diaz-Garzón J, Fernández-Calle P, et al, Clin Chem, 1380-93, 64(9), 2018								
View								
Analytical and biological variability in biomarker measurement in the Hispanic Community Health Study/Study of Latinos	View		66.81	Mixed		Healthy	Serum	1 per Month
Thyagarajan B, Howard AG, Durazo-Arvizu R, Eckfeldt JH, Gellman MD, Kim RS, Liu K, Mendez AJ, Penedo FJ, Talavera								

GA, Youngblood ME, Zhao L and Sotres-Alvarez D, Clin Chim Acta, 129-137, 463, 2016

View

The EuBIVAS: within- and between-subject biological variation data for electrolytes, lipids, urea, uric acid, total protein, total bilirubin, direct bilirubin and glucose

Aarsand AK, Diaz-Garzón J, Fernández-Calle P, et al, Clin Chem, 1380-93, 64(9), 2018

View

19.038.5

Females34.0

Healthy

Serum

1 per Week

View

The EuBIVAS: within- and between-subject biological variation data for electrolytes, lipids, urea, uric acid, total protein, total bilirubin, direct bilirubin and glucose

Aarsand AK, Diaz-Garzón J, Fernández-Calle P, et al, Clin Chem, 1380-93, 64(9), 2018

View

19.625.0

Females60.0

Healthy

Serum

1 per Week

View

Prognostic utility of biochemical markers of cardiovascular risk: impact of biological variability

Alexander KS, Kazmierczak SC, Snyder CK, Oberdorf JA and Farrell DH, Clin Chem Lab Med , 1875-82, 51(9), 2013

View

27.534.0

Mixed

Healthy

Serum

1 per Month

View

Biological variation and reference change value of common clinical chemistry and haematologic laboratory analytes in the elderly population

Pineda-Tenor D , Laserna-Mendieta EJ, Timon-Zapata J, Rodelgo-Jimenez L, Ramos-Corral R, Recio-Montealegre A and Gomez-Serranillos Reus M, Clin Chem Lab Med, 851-62, 51, 2013

View

16.821.1

Males

Healthy

Serum

1 per Week

View

Covariance of metabolic and hemostatic risk indicators in men and women.

Riese H, Vrikkotte TGM, Meijer P, Kluft C, De Geus EJC, Fibrinolysis & Proteolysis, 1-12, 14, 2001

View

21.7

31.3

Females

36.71

Healthy

Serum

2 per Week

View

Circadian rhythmic variations in serum concentrations of clinically important lipids

Rivera-Coll A, Fuentes-Arderiu X and Díez-Noguera A, Clin Chem, 1549-53, 40, 1994

View

39.1

Mixed

29.5

Healthy

Serum

4 per Hour

View

Prognostic utility of biochemical markers of cardiovascular risk: impact of biological variability

Alexander KS, Kazmierczak SC, Snyder CK, Oberdorf JA and Farrell DH, Clin Chem Lab Med , 1875-82, 51(9), 2013

View

24.8

33.8

Mixed

Healthy

No Matrix

3 per Week

View

Diurnal and monthly intra-individual variability of the concentration of lipids, lipoproteins and apoproteins

Wasenius A, Stugaard M, Otterstad JE, Froyshov D, Scand J Clin Lab Invest, 632-42, 50, 1990

View

29.5

Mixed

Healthy

No Matrix

3 per Hour

View

Covariance of metabolic and hemostatic risk indicators in men and women.

Riese H, Vrikkotte TGM, Meijer P, Kluft C, De Geus EJC, Fibrinolysis & Proteolysis, 1-12, 14, 2001

View

29.5

43.4

Males

45.23

Healthy

No Matrix

3 per Week

View

Covariance of metabolic and hemostatic risk indicators in men and

women. Riese H, Vrikkotte TGM, Meijer P, Kluft C, De Geus EJC, Fibrinolysis & Proteolysis, 1-12, 14, 2001	View	18.8	33.5	Females	30.19	Healthy	No Matrix	2 per Week
View								
Factors Contributing to Intra-Individual Variation of Serum Constituents: 6. Physiological Day-to-Day Variation in Concentrations of 10 Specific Proteins in Sera of Healthy Subjects Statland BE, Winkel P and Killingsworth LM, Clin Chem, 1635-8, 22, 1976	View	25.0	69.8	Mixed		Healthy	No Matrix	1 per Day
View								
Variability of plasma lipids and lipoproteins: the Jerusalem Lipid Research Clinic Study Friedlander Y, Kark JD and Stein Y, Clin Chem, 1121-6, 31, 1985	View	30.8		Males	17.0	Healthy	Plasma	1 per Month
View								
Variación biológica de lípidos y lipoproteínas séricas en individuos sanos y pacientes con enfermedad renal crónica terminal Corte Z and Venta R, Rev Lab Clin, 88-95, 7, 2014	View	20.3	74.2	Mixed		Non-healthy	No Matrix	1 per Month
View								



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