

Tests	Units of measurement	2013			2014			2015			2016			2017			Target CV	Admissible total CV
		Low numbers	Average numbers	High numbers	Low numbers	Average numbers	High numbers	Low numbers	Average numbers	High numbers	Low numbers	Average numbers	High numbers	Low numbers	Average numbers	High numbers		
		CV%	CV%	CV%	CV%	CV%	CV%	CV%	CV%	CV%	CV%	CV%	CV%	CV%	CV%	CV%		
HCO3	mmol/l																	5.4
Acid phosphatase	U/L																	10.3
C3	g/l																	8.4
C4	g/l																	16.0
Fructosamine	μmol/l																	4.5
Glutathione peroxidase	U/L																	11.7
Transferrin	g/l																1.5	3.8
Cist tin C	mg/l																2.3	7.2
Albumin	g/l		1.6	1.2		1.1	1.0	1.31	1.39		1.4	0.9		1.3	0.9		2.6	3.9
						1.4	1.2	1.19	1.02		1.6	1.1		1.4	1			
Albumin in urine	mg/l		5.9	3.8		4.5	3.6	4.55	1.79		7.8	1.9		6.1	2.7		2.2	46.0
						5.6	2.8											
Protein in urine	mg/dl		2.8	1.7		3.8	1.9	2.46	1.11		2.8	1.8		3	2		0.9	40.0
Urea	mmol/l		3.3	2.8		3.6	2.3	3.2	2.61		2.8	3.9		2.8	2.4		3.9	15.7
						3.0	2.3	3.32	2.71		3.5	3.1		3	2.7			
LDL Cholesterol	mmol/l		1.8	2.1		2.2	1.7	1.72	1.87		1.4	1.5		1.6	1.5		1.9	13.6
						1.4	1.4	1.42	1.48		1.5	1.7		1.5	1.6			
HDL Cholesterol	mmol/l		1.8	2.0		1.8	1.7	1.64	1.78		1.5	1.3		1.5	1.6		1.1	11.1
						1.8	1.9	1.58	1.47		1.6	1.5		1.3	1.6			
Glucose	mmol/l		1.4	1.5		0.9	0.9	1.39	1.28		1.3	1.1		1.1	1.2		1.4	6.9
						1.1	1.1	1.05	1.15		0.9	1.0		0.9	0.9			
Glucose in urine			2.1	1.9		1.5	1.5	1.52	2.26		1.5	1.1		1.8	1.4			
Iron	μmol/l		3.0	2.3		2.0	1.2	2.56	1.57		2.7	1.4		2.3	1.4		2.3	30.7
						2.4	1.3	2.34	1.26		2.7	1.4		2.7	1.5			
Bilirubin direct			3.3	2.9		2.9	2.6				3.1	2.4		2.5	2		7.7	44.5
						3.1	2.7				2.7	2.2		2.5	2			
Bilirubin total	μmol/l		3.4	2.7		2.6	1.8	3.31	2.31		2.6	1.9		2.5	1.7		4.7	31.1
						2.9	2.3	2.92	2.19		2.9	2.0		2.4	1.7			
Protein total	g/l		2.2	1.9		1.3	1.1	1.61	1.43		1.7	1.4		1.6	1.4		2.2	3.4
						2.0	1.3	1.66	1.30		2.0	1.7		1.7	1.2			
Uric acid	μmol/l		1.6	1.6		1.0	1.0	1.19	1.15		1.1	1.1		1.2	1.1		1.7	8.0
						1.2	1.1	1.15	1.09		1.3	1.2		1	0.9			
Uric acid in urine	μmol/l					2.4	1.7	1.86	1.31		1.8	1.4		2.2	1.8			28.7

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		CV%	CV%	CV%	CV%	CV%	CV%	CV%	CV%	CV%	CV%	CV%	CV%	CV%	CV%	CV%		
Phosphorus	mmol/l		2.1	1.8		1.4	1.1	1.52	1.25		1.4	0.9		1.2	1		2.5	7.8
						1.4	1.2	1.39	1.13		1.4	1.2		1.2	0.8			
Phosphorus in urine			2.3	1.6		1.5	2.4	1.59	1.11		2.0	1.6		1.7	1.2		1.7	22.1
Calcium	mmol/l		2.0	1.9		1.4	0.9	1.53	1.27		1.6	1.4		2	1.6		2.9	2.4
						1.5	1.1	1.21	1.14		1.4	1.1		1.3	0.9			
Calcium in urine	mmol/l		2.8	2.4		1.7	1.4	1.89	1.71		1.6	1.4		2.4	1.7		3.3	34.2
ASO	units		2.4	3.1		2.3	1.9	2.47	2.19		3.1	2.4		2.2	2		5.3	20.0
						2.9	2.3	2.45	1.95		3.2	1.9		2.3	1.7			
IgA	mg/dl																	13.5
IgM	mg/dl																	16.8
CRO	mg/dl		2.2	2.2		2.0	1.9	2.11	1.62		1.5	1.7		2	1.5		2.9	56.6
						2.4	1.8	2.79	2.46		1.8	1.8		1.8	1.4			
Haptoglobin	g/l																	27.3
Transferrin	g/l																	3.8
RF	U/ml		2.7	1.7		2.3	1.4	2.84	1.54		3.0	1.5		2.8	1.1		4.4	13.5
						3.2	1.7	3.34	1.45		3.5	1.7		3.71	1.4			
Glycosylated Hb	%		1.6	1.3		1.2	1.0	1.03	1.14		1.1	1.1		1.3	1.2		1.1	4.3
						1.2	1.1	0.96	0.96		1.2	1.0		0.9	1.1			
Cholesterol	mmol/l		1.4	1.6		1.1	1.2	1.35	1.37		1.1	1.0		1.2	1.1		1.9	8.5
						1.2	1.2	1.16	1.17		1.4	1.3		1.1	1			
Triglycerides	mmol/l		1.7	1.6		1.2	1.4	1.85	1.49		1.3	1.1		1.8	1.2		1.9	27.9
						1.4	1.2	1.59	1.20		1.4	1.3		1.2	1.1			
Cholinesterase	U/l																	8.9
IgG	mg/dl																	8.0
Magnesium	mmol/l		1.9	1.7		1.5	1.3	1.98	1.66		1.7	1.4		1.8	1.6		2.9	4.8
						1.5	1.2	1.69	1.34		1.5	1.3		1.5	1.2			
Magnesium in urine	mmol/l																	2.9
Sodium	mmol/l		1.5	1.2		1.3	1.0	1.37	1.18		1.2	1.1		1.2	1.1		0.6	0.9
						1.5	1.1	1.4	1.12		1.2	1.0		1	0.9			
Potassium	mmol/l		1.3	1.3		1.1	0.8	1.21	1.16		0.9	0.7		0.8	0.7		2.4	5.8
						1.4	1.1	1.2	1.12		0.9	0.9		0.9	0.8			
Chlorine	mmol/l		1.5	1.4		1.4	0.9	1.42	1.15		1.3	0.9		1	0.8		1.5	1.5
						1.6	1.3	1.49	1.13		1.3	0.9		1	0.8			
α1 Acid glycoprotein	g/l																	16.2
Erythrocytes	x10 ¹² /l	1.0	0.9	0.9	1.4	0.6	0.6	0.88	0.8	0.66	0.9	0.8	0.8	0.9	0.8	0.8	1.6	4.4
SYSMEX XP300								1.03	1.04	1.04	0.9	1.4	0.8	1	1	1		
Haemoglobin	g/l	1.5	1.2	1.3	1.0	0.9	0.8	0.81	0.58	0.6	0.9	0.6	0.6	0.9	0.6	0.5	1.8	4.1

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Ceruloplasmin	g/l																	7.9
tAPOA	mg/dl																	9.1
APOB	mg/dl																	11.6
SF =bone fraction	µg/L																8.1	
Renin	µU/mL																12.4	30.0

*Permissible uncertainties are indicated in the international interlaboratory comparative testing programmes: Labquality (Finland), UK NEQAS (Britain), CLIA (US) requirements for analytical quality.