



Name	Male	Female	Unit
ALT (Olympus AU 680)	0-50	0-35	U/l
AST (Olympus AU 680)	0-50	0-35	U/l
Alkaline phosphatase (Olympus AU 680)	30-120	30-120	U/l
Na (Na ²⁺) (RAPIDPoint 500)	136-146	136-146	mmol/l
K (K ⁺) (RAPIDPoint 500)	3,5-5,1	3,5-5,1	mmol/l
Cl (Cl ⁻) (RAPIDPoint 500)	101-109	101-109	mmol/l
Standart bicarbonate (RAPIDPoint 500)	26-32	26-32	mmol/l
Actual bicarbonate (RAPIDPoint 500)	26-32	26-32	mmol/l
Magnesium (Olympus AU 680)	0,73-1,06	0,77-1,03	mmol/l
Calcium total (Olympus AU 680)	2,20-2,65	2,20-2,65	mmol/l
Bilirubin total (Olympus AU 680)	5-21	5-21	µmol/L
Bilirubin direct (Olympus AU 680)	0,0-3,4	0,0-3,4	µmol/L
Bilirubin indirect (Olympus AU 680)	0,0-19,9	0,0-19,9	µmol/L
Urea nitrogen (Olympus AU 680)	2,8-7,2	2,8-7,2	mmol/l
Creatinine (Olympus AU 680)	18-50 y: 74-110 from 50 y: 72-127	58-96	µmol/L
Glucose (Olympus AU 680)	4,1-5,9	4,1-5,9	mmol/l
Inorganic phosphorous (Olympus AU 680)	0,81-1,45	0,81-1,45	mmol/l
Albumin (Olympus AU 680)	14-60 y: 35-52 from 60 y: 34-48	14-60 y: 35-52 from 60 y: 34-48	g/l
Total protein (Olympus AU 680)	66-83	66-83	g/l
Uric Acid (Olympus AU 680)	210-420	150-350	µmol/L
Amylase (Olympus AU 680)	28-100	28-100	U/l
GGT (Olympus AU 680)	<55	<38	U/l
Cholesterol (Olympus AU 680)	3,5-6,2	3,5-6,2	mmol/l
Creatine kinase (Olympus AU 680)	<171	<145	U/l
C-reactive protein (Olympus AU 680)	0-5	0-5	mg/l
LDH (Olympus AU 680)	<248	<247	U/l
Lipase (Olympus AU 680)	0-67	0-67	U/l
Lactate (Olympus AU 680)	0,5-2,2	0,5-2,2	mmol/l
Triglyceride (Olympus AU 680)	0-1,7	0-1,7	mmol/l
Phosphorus (Olympus AU 680)	0,81-1,45	0,81-1,45	mmol/l
Rheumatoid factors (Olympus AU 680)	0-14	0-14	IU/ml
HDL-Cholesterol (Olympus AU 680)	0,91-1,55	0,91-1,55	mmol/l
Creatinekinase MB (Olympus AU 680)	0-24	0-24	U/l
ACTH (Immulite 2000XPi)	5-46	5-46	pg/ml
ANCA (microscope Eurostar II)	<1:40	<1:40	titre
CA 125 (Immulite 2000XPi)	1,9-21	1,9-21	U/ml
HCG (Immulite 2000XPi)	0-5	0-5	mIU/ml
Insulin (Immulite 2000XPi)	1,9-29,1	1,9-29,1	uIU/ml
Endogenous creatinine clearance	66-163	66-165	ml/min/1,73m ²
Bile acid	2-10	2-10	µmol/L
FSH (DXI800)	1,27-19,26	Follicular phase: 3,85-8,78; Ovarian phase: 4,54-22,51; Luteal phase 1,79-5,12; Postmenopause: 16,74-113,59	mIU/ml

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Name	Male	Female	Unit
Haemoglobin (Hb) (Sysmex XN-1000)	18-40 y: 138,5-166,7 41-59 y: 131,90-168,70 from 60 y: 118,30-165,70	18-40 y: 121,30-148,70 41-59 y: 118,50-142,00 from 60 y: 115,00-141,00	g/l
Haematocrit (HCT) (Sysmex XN-1000)	18-40 y: 39,15-51,65 41-59 y: 39,06-51,27 from 60 y: 35,89-50,64	18-40 y: 34,79-44,27 41-59 y: 34,26-43,45 from r 60 y: 34,04-42,48	%
Mean corpuscular volume (MCV) (Sysmex XN-1000)	18-40 y: 81,30-100,12 41-59 y: 86,50-101,79 from 60 y: 88,05-104,07	18-40 y: 81,30-100,12 41-59 y: 86,50-101,79 from 60 y: 88,05-104,07	fl
Mean corpuscular haemoglobin (MCH) (Sysmex XN-1000)	18-40 y: 26,04-33,56 41-59 y: 27,23-33,60 from 60 y: 27,75-34,52	18-40 y: 26,04-33,56 41-59 y: 27,23-33,60 from 60 y: 27,75-34,52	pg
Mean corpuscular haemoglobin concentration (MCHC) (Sysmex XN-1000)	from 18 y: 314,5-347,4	from 18 y: 305,9-337,6	g/l
Red cell distribution width (coefficient of variation) (RDW) (Sysmex XN-1000)	18-40 y: 11,22-15,56 41-59 y: 11,40-15,29 from 60 y: 11,43-13,90	18-40 y: 11,22-15,56 41-59 y: 11,40-15,29 from 60 y: 11,43-13,90	%
Platelet (PLT) (Sysmex XN-1000)	18-40 y: 165-396,2 41-59 y: 161,2-387,1 from 60 y: 125,3-359	18-40 y: 158,1-387,1 41-59 y: 153,4-370,9 from 60 y: 138,8-344,2	10 ⁹ /l
Mean platelet volume (MPV) (Sysmex XN-1000)	from 18 y: 9,10-12,60	from 18 y: 9,10-12,60	fl
Thrombocrit (PCT) (Sysmex XN-1000)	18-40 y: 0,12-0,35 41-59 y: 0,16-0,39 from 60 y: 0,14-0,34	18-40 y: 0,19-0,38 41-59 y: 0,21-0,39 from 60 y: 0,16-0,33	%
Platelet distribution width (PDW) (Sysmex XN-1000)	from 18 y: 9,3-16,7	from 18 y: 9,3-16,7	fl
Red blood cell (RBC) (Sysmex XN-1000)	18-40 y: 4,30-5,57 41-59 y: 4,24-5,65 from 60 y: 3,74-5,31	18-40 y: 3,83-4,86 41-59 y: 3,66-4,76 from 60 y: 3,61-5,00	10 ¹² / l
White blood cell (WBC) (Sysmex XN-1000)	from 18 y: 3,89-9,23	from 18 y: 3,89-9,23	10 ⁹ /l
Neutrophils (NEU) (Sysmex XN-1000)	from 18 y: 1,78-6,04	from 18 y: 1,78-6,04	10 ⁹ /l
Lymphocyte (LYM) (Sysmex XN-1000)	18-40 y: 1,39-3,15 41-59 y: 1,24-3,05 from 60 y: 1,01-2,75	18-40 y: 1,39-3,15 41-59 y: 1,24-3,05 from 60 y: 1,01-2,75	10 ⁹ /l
Monocyte (MON) (Sysmex XN-1000)	from 18 y: 0,29-0,72	from 18 y: 0,24-0,72	10 ⁹ /l
Basophil (BAS) (Sysmex XN-1000)	from 18 y: 0,01-0,09	from 18 y: 0,01-0,09	10 ⁹ /l
Eosinophil (EOS) (Sysmex XN-1000)	from 18 y: 0,04-0,58	from 18 y: 0,01-0,59	10 ⁹ /l
Wand-nuclear neutrophils (Sysmex XN-1000)	from 18 y: 1-5	from 18 y: 1-5	%
Segmental neutrophils (Sysmex XN-1000)	from 18 y: 40,80-70,39	from 18 y: 40,80-70,39	%
Lymphocyte (Sysmex XN-1000)	from 18 y: 20,11-46,79	from 18 y: 20,11-46,79	%
Monocyte (Sysmex XN-1000)	18-40 y: 4,17-11,37 41-59 y: 4,91-10,38 from 60 y: 4,4-12,3	18-40 y: 4,03-10,57 41-59 y: 4,83-11,15 from 60 y: 4,41-10,60	%
Basophil (Sysmex XN-1000)	from 18 y: 0,20-1,50	from 18 y: 0,20-1,50	%
Eosinophil (Sysmex XN-1000)	from 18 y: 0,73-8,86	from 18 y: 0,24-10,24	%
Relative number of reticulocytes	from 18 y: 0,68-1,86	from 12 y: 0,68-1,86	%
Absolute number of reticulocytes	from 18 y: 0,034-0,102	from 18 y: 0,034-0,102	10 ¹² / l
Immature reticulocytes	18-40 y: 2,88-15,14 41-59 y: 2,74-15,04 from 60 y: 3,45-18,87	18-40 y: 2,88-15,14 41-59 y: 2,74-15,04 from 60 y: 3,45-18,87	%
The content of hemoglobin in reticulocytes	18-40 y: 31,12-36,24 41-59 y: 31,61-36,38 from 60 y: 31,30-37,39	18-40 y: 25,69-34,77 41-59 y: 28,36-35,68 from 60 y: 29,81-36,50	pg
Delta-hemoglobin	from 18 y: 1,70-4,40	from 18 y: 1,70-4,40	pg
ESR by Westergren (Alifax, Roller 20)	befor 50 y: 0-15 from 50 y: 0-20	befor 50 y: 0-20 from 50 y: 0-30	mm/h

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Name	Male	Female	Unit
Total protein in urine (Olympus AU 680)	0,05-0,08	0,05-0,08	g/day
Glucose in urine (Olympus AU 680)	0,1-0,8	0,1-0,8	mmol/l
Glucose in urine (Olympus AU 680)	0-2,8	0-2,8	mmol/day
Microalbumin (Olympus AU 680)	0-15	0-15	mg/l
Microalbumin (Olympus AU 680)	0-30	0-30	mg/day
Specific gravity (SG) (iChem Velocity)	1005-1030	1005-1030	
Urine leukocytes (iChem Velocity)	negatively	negatively	cl/mcl
Urine pH value (iChem Velocity)	5,5-7,0	5,5-7,0	
Urine protein (U-PRO) (iChem Velocity)	0,000-0,140	0,000-0,140	g/l
Ketones (KET) (iChem Velocity)	Negatively, trase	Negatively, trase	mmol/l
Urine occult blood (BLO) (iChem Velocity)	negatively	negatively	cl/mcl
Microscopic examination of white blood cells (U-WBC) (UF II)	<27,5	<27,5	cl/mcl
Microscopic examination of red blood cells (U-RBC) (UF II)	<16	<16	cl/mcl
Albumin/creatinine ratio	0,0-2,5	0,0-3,5	mg/mmol

Name	Male	Female	Unit
Prothrombin time (PT)(STA Compact)	12,5-16,5	12,5-16,5	sec.
Prothrombin index (STA Compact)	90-105	90-105	%
Prothrombin of Quick (STA Compact)	70-130	70-130	%
International normalized ratio (INR) (STA Compact)	0,85-1,15	0,85-1,15	
Partial thromboplastin time (APTT) (STA Compact)	27-37	27-37	sec.

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Name	Male	Female	Unit
TSH (DXI800)	0,38-5,33	0,38-5,33	uIU/ml
Free T4 (DXI800)	7,86-14,41	7,86-14,41	pmol/l
Total T4 (DXI800)	53-158	53-158	nmol/l
Free T3 (DXI800)	3,8-6,0	3,8-6,0	pmol/l
Total T3 (DXI800)	1,3-2,7	1,3-2,7	nmol/l

Name	Male	Female	Unit
Hepatitis B Surface Antigen (HBsAg) (ARCHITECT i1000)	not detected	not detected	
Anti-HBs (HBsAb) (Tecan sunrise)	<10	<10	mIU/ml
Hepatitis B E Antigen (HBeAg) (Tecan sunrise)	negatively	negatively	
Anti-HBe (HBeAb) (Tecan sunrise)	not detected	not detected	
Anti-HBc (HBcAb) (Tecan sunrise)	0-1	0-1	CU
Anti-Hepatitis C (HCV) Antibody (Tecan sunrise)	not detected	not detected	
	negatively	negatively	
HBV DNA (optional) (CFX-96)	negatively	negatively	
HCV RNA (optional) (CFX-96)	not detected	not detected	
Anti-HIV (ARCHITECT i1000)	not detected	not detected	

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