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ДНКМ

Научный центр
молекулярно-генетических
исследований

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Лицензия департамента здравоохранения города Москвы № ЛО 77-01-019880
г. Москва, 4-й Стрелецкий пр-д, 4к1 ИНН 7707768390 ОГРН 1127746047175

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 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)	before 50 y: 2-15 from 50 y: 2-20	before 50 y: 2-20 from 50 y: 2-30	mm/h

Reference values are valid from 1 July 2025 to 31 December 2025. In case of changes, we undertake to notify.



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Name	Male	Female	Unit
Total protein in urine (AU 680) (daily urine intake)	0,05-0,08	0,05-0,08	g/day
Total protein in urine (AU 680) (a single dose of urine)	0,000-0,140	0,000-0,140	g/l
Glucose in urine (AU 680)	0,1-0,8	0,1-0,8	mmol/l
Glucose in urine (AU 680)	0-2,8	0-2,8	mmol/day
Microalbumin (AU 680)	0-20	0-20	mg/l
Microalbumin (AU 680)	0-30	0-30	mg/day
24 Hour Urinary Creatinine Value	124-230	97-177	μmol /kg per day
Specific gravity (SG) (iChem Velocity)	1005-1030	1005-1030	
Urine leukocytes (iChem Velocity)	negatively	negatively	cl/μl
Urine pH value (iChem Velocity)	5,5-7,5	5,5-7,5	
Urine protein (U-PRO) (iChem Velocity)	negatively	negatively	g/l
Urobilinogen (iChem Velocity)	0,1-34,0	0,1-34,0	μmol /l
Bilirubin	negatively	negatively	μmol /l
Ketones (KET) (iChem Velocity)	negatively	negatively	mmol/l
Nitrites (iChem Velocity)	negatively	negatively	
Urine occult blood (BLO) (iChem Velocity)	negatively	negatively	cl/μl
Microscopic examination of white blood cells (U-WBC) (UF II)	<27,5	<27,5	cl/μl
Microscopic examination of red blood cells (U-RBC) (UF II)	<16	<16	cl/μl
Albumin/creatinine ratio (IQ200)	0,0-2,5	0,0-3,5	mg/mmol
Erythrocytes (IQ200)	<16	<16	cell/μl
Leukocytes (IQ200)	<27,5	<27,5	cell/μl
Squamous Epithelias Cells (IQ200)	<27,5	<27,5	cell/μl
Transitional & Renal Epitelias Cells (IQ200)	<4	<4	cell/μl
Casts Others (IQ200)	<0,3	<0,3	U/μl
Hyaline Casts (IQ200)	<0,86	<0,88	U/μl
Crystals (IQ200)	<13,6	<13,6	U/μl
Slime (IQ200)	<27,5	<27,5	U/μl
Bacteria (IQ200)	<6,8	<6,8	U/μl
Yeast (IQ200)	<11	<11	U/μl
Erythrocytes modified (Microscopy)	0-1	0-1	
Erythrocytes unchanged (Microscopy)	0-1	0-1	
Leukocytes (Microscopy)	0-4	0-4	
Squamous epithelium (Microscopy)	Few, moderate, single	Few, moderate, single	
The epithelium is transitional (Microscopy)	0-4	0-4	
Renal epithelium (Microscopy)	not detected	not detected	
Hyaline cylinders (Microscopy)	not detected	not detected	
The cylinders are granular (Microscopy)	not detected	not detected	
Waxy casts (Microscopy)	not detected	not detected	
Epithelial cylinders (Microscopy)	not detected	not detected	
Fungal spores (Microscopy)	not detected	not detected	
Crystals (Microscopy)	not detected	not detected	
Bacteria (Microscopy)	not detected	not detected	

Name	Male	Female	Unit
Prothrombin time (PT) (ACL TOP 550)	9,4-12,5	9,4-12,5	sec
Prothrombin index (ACL TOP 550)	90-105	90-105	%
Prothrombin of Quick (ACL TOP 550)	70-140	70-140	%
International normalized ratio (INR) (ACL TOP 550)	0,90-1,20	0,90-1,20	
Partial thromboplastin time (APTT) (ACL TOP 550)	25,1-36,5	25,1-36,5	sec
Fibrinogen (ACL TOP 550)	2,0-4,0	2,0-4,0	g/l
D-Dimer (ACL TOP 550)	<0,243	<0,243	mg/l
Thrombin time (ACL TOP 550)	15,8-24,9	15,8-24,9	sec

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г. Москва, 4-й Стрелеский пр. д. 4к1 ИИН 770768390 ОГРН 1127746047175

Name	Male	Female	Unit
ALT (AU 680)	<50	<35	U/l
AST (AU 680)	<50	<35	U/l
Alkaline phosphatase (AU 680)	30-120	30-120	U/l
Na (Na2+) (AU 680)	136-145	136-145	mmol/l
K (K+) (AU 680)	3,5-5,1	3,5-5,1	mmol/l
Cl (Cl-) (AU 680)	98-107	98-107	mmol/l
Standart bicarbonate (RAPIDPoint 500)	26-32	26-32	mmol/l
Actual bicarbonate (RAPIDPoint 500)	26-32	26-32	mmol/l
Magnesium (AU 680)	0,73-1,06	0,77-1,03	mmol/l
Calcium total (AU 680)	2,20-2,65	2,20-2,65	mmol/l
Bilirubin total (AU 680)	5-21	5-21	µmol/L
Bilirubin direct (AU 680)	<3,4	<3,4	µmol/L
Bilirubin indirect (AU 680)	0,0-19,9	0,0-19,9	µmol/L
Urea nitrogen (AU 680)	2,8-7,2	2,8-7,2	mmol/l
Creatinine (AU 680)	18-50 y: 74-110 from 50 y: 72-127	58-96	µmol/L
Glucose (AU 680)	4,1-5,9	4,1-5,9	mmol/l
Inorganic phosphorous (AU 680)	0,81-1,45	0,81-1,45	mmol/l
Albumin (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 (AU 680)	66-83	66-83	g/l
Uric Acid (AU 680)	210-420	150-350	µmol/l
Amylase (AU 680)	28-100	28-100	U/l
GGT (AU 680)	<55	<38	U/l
Cholesterol (AU 680)	3,5-6,2	3,5-6,2	mmol/l
Creatine kinase (AU 680)	≤171	≤145	U/l
C-reactive protein (AU 680)	<5	<5	mg/l
LDH (AU 680)	<248	<247	U/l
Lipase (AU 680)	0-67	0-67	U/l
Lactate (AU 680)	0,5-2,2	0,5-2,2	mmol/l
Triglyceride (AU 680)	<1,7	<1,7	mmol/l
Phosphorus (AU 680)	0,81-1,45	0,81-1,45	mmol/l
Rheumatoid factors (AU 680)	0-14	0-14	IU/ml
HDL-Cholesterol (AU 680)	>1,0	>1,2	mmol/l
Creatinekinase MB (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 (MAGLUMI 4000 Plus)	0,6-35	0,6-35	U/ml
HCG (Architect i2000sr)	<5	<5	mIU/ml
Insulin (MAGLUMI 4000 Plus)	2,7-24,8	2,7-24,8	µIU/ml
Endogenous creatinine clearance	66-163	66-165	ml/min/1,73m2
Bile acid	2-10	2-10	µmol/l
Troponin I	0-0,29	0-0,29	ng/ml
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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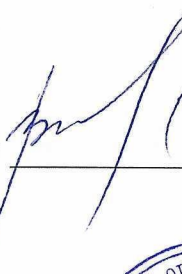
Лицензия департамента здравоохранения города Москвы № ЛО 77-01-019880
г. Москва, 4-й Стрелецкий пр. д. 4к1 ИНН 7707768390 ОГРН 112774604175

Name	Male	Female	Unit
TSH (Architect i2000sr)	0,4-4,0	0,4-4,0	μIU/ml
Free T4 (Architect i2000sr)	9,00-19,04	9,00-19,04	pmol/l
Total T4 (Architect i2000sr)	62,7-150,8	62,7-150,8	nmol/l
Free T3 (Architect i2000sr)	2,42-6,01	2,42-6,01	pmol/l
Total T3 (Architect i2000sr)	0,54-2,96	0,54-2,96	nmol/l
NT-proBNP (MAGLUMI 4000 Plus)	19-44 y: 0 – 88,7 45-54 y: 0 – 132,0 55-64 y: 0 – 239,0 65-74 y: 0 – 418,0 from 75 y: 0 – 911,0	19-44 y: 0 – 175,0 45-54 y: 0 – 211,0 55-64 y: 0 – 259,0 65-74 y: 0 – 435,0 from 75 y: 0 – 662,0	pg/ml

Name	Male	Female	Unit
Hepatitis B Surface Antigen (HBsAg) (ARCHITECT i2000SR)	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)	not detected	not detected	
Anti-Hepatitis C (HCV) Antibody (Tecan sunrise)	not detected	not detected	
HBV DNA (optional) (CFX-96)	negatively	negatively	
HCV RNA (optional) (CFX-96)	negatively	negatively	
Anti-HIV (ARCHITECT i2000SR)	not detected	not detected	
Anti-Syphilis (ARCHITECT i2000SR)	not detected	not detected	

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Chief of laboratory

 (Velodin O.)

Date

01.07.2025



Name	Male	Female	Unit
ALT (AU 680)	<50	<35	U/l
AST (AU 680)	<50	<35	U/l
Na (Na ²⁺) (AU 680)	136-145	136-145	mmol/l
Bilirubin direct (AU 680)	<3,4	<3,4	μmol/L
Uric Acid (AU 680)	210-420	150-350	μmol/l
Creatine kinase (AU 680)	≤171	≤145	U/l
C-reactive protein (AU 680)	<5	<5	mg/l
Triglyceride (AU 680)	<1,7	<1,7	mmol/l
HDL-Cholesterol (AU 680)	>1,0	>1,2	mmol/l
CA 125 (MAGLUMI 4000 Plus)	0,6-35	0,6-35	U/ml
HCG (Architect i2000sr)	<5	<5	mlU/ml
Insulin (MAGLUMI 4000 Plus)	2,7-24,8	2,7-24,8	μIU/ml
Bile acid	2-10	2-10	μmol/l
Troponin I	0-0,29	0-0,29	ng/ml

Name	Male	Female	Unit
ESR by Westergren (Alifax, Roller 20)	before 50 y: 2-15 from 50 y: 2-20	before 50 y: 2-20 from 50 y: 2-30	mm/h

Name	Male	Female	Unit
Microalbumin (AU 680)	0-20	0-20	mg/l
24 Hour Urinary Creatinine Value	124-230	97-177	μmol /kg per day
Urine leukocytes (iChem Velocity)	negatively	negatively	cl/μl
Urobilinogen (iChem Velocity)	0,1-34,0	0,1-34,0	μmol /l
Bilirubin	negatively	negatively	μmol /l
Urine occult blood (BLO) (iChem Velocity)	negatively	negatively	cl/μl
Microscopic examination of white blood cells (U-WBC) (UF II)	<27,5	<27,5	cl/μl
Microscopic examination of red blood cells (U-RBC) (UF II)	<16	<16	cl/μl
Erythrocytes (IQ200)	<16	<16	cell/μl
Leukocytes (IQ200)	<27,5	<27,5	cell/μl
Squamous Epithelias Cells (IQ200)	<27,5	<27,5	cell/μl
Transitional & Renal Epithelias Cells (IQ200)	<4	<4	cell/μl
Casts Others (IQ200)	<0,3	<0,3	U/μl
Hyaline Casts (IQ200)	<0,86	<0,88	U/μl
Crystals (IQ200)	<13,6	<13,6	U/μl
Slime (IQ200)	<27,5	<27,5	U/μl
Bacteria (IQ200)	<6,8	<6,8	U/μl
Yeast (IQ200)	<11	<11	U/μl

Name	Male	Female	Unit
Fibrinogen (ACL TOP 550)	2,0-4,0	2,0-4,0	g/l
Thrombin time (ACL TOP 550)	15,8-24,9	15,8-24,9	sec

Name	Male	Female	Unit
TSH (Architect i2000sr)	0,4-4,0	0,4-4,0	μIU/ml

Name	Male	Female	Unit
Anti-HBc (HBcAb) (Tecan sunrise)	not detected	not detected	