

Dokumenttyp:	Kvalitetsmanual
Dokumentnamn:	Bilaga 01, Ackrediteringens omfattning, kemlab

Komponent/Undersökning	System	Mätprincip/Metod	Utrustning	Enhet	Nivå/Mätosäkerhet
Alaninaminotransferas, ALAT	Serum	Fotometri, katalytisk	Architect c8000	μkat/L	0,48/ 3% 2,64/ 3 %
Albumin	Serum	Fotometri, bromkresolpurpur	Architect c8000	g/L	30/ 6% 40/ 3% 55/ 3%
Albumin	Urin	Turbidimetri, immunologisk	Architect c8000	mg/L	14,9 / 4% 139,6 / 3%
Amylas	Serum	Fotometri, CNPG3-substrat	Architect c8000	μkat/L	1,5/ 8 % 5,5/ 5 %
Antitrombin, AT	Plasma	Fotometri, Trombin	Sysmex CS-2500	kIE/L	0,43 / 17% 0,96 / 6%
Antitrypsin, Alfa-1, A1AT	Serum	Turbidimetri, immunologisk	Architect c8000	g/L	0,81 / 4% 1,59 / 3%
Apo A1	Serum	Fotometri, immunturbidimetrisk	Architect c8000	g/L	1,11/ 4% 1,48/ 4%
Apo B	Serum	Fotometri, immunturbidimetrisk	Architect c8000	g/L	0,74/ 7% 1,07/ 6%
Aspartat aminotransferas, ASAT	Serum	Fotometri, katalytisk	Architect c8000	μkat/L	0,65/ 3% 2,97/ 4%
Basofila granulocyter	Blod	Flödescytometri	Sysmex XN-1000	x10 ⁹ /L	0,15/ 8% 0,34/ 8%
Basofila granulocyter	Blod	Manuell teknik	Mikroskop	x10 ⁹ /L	Enl. Equalis rek. 95% konf.intervall
Beta-2-mikroglobulin	Serum	Turbidimetri, immunologisk	Architect c8000	mg/L	2,48 / 5 % 5,68 / 5%
Bilirubin, total	Serum	Fotometri, diazo	Architect c8000	μmol/L	18,5/ 8 % 246/ 3%
Calcium, Ca	Serum	Fotometri, arsenazo III	Architect c8000	mmol/L	2,18/ 5 % 2,86/ 3%
Calcium, joniserat , Jon Ca ²⁺	Serum	Potentiometri, jonselektiv	ABL825 FLEX	mmol/L	0,4/ 7% 0,5/ 4% 1,0/ 2% 1,6/ 3%
C-reaktivt protein , CRP	Serum	Fotometri, immunologisk	Architect c8000	mg/L	14,3/ 5% 71,7/ 4%
Cyklosporin	Blod	Kemiluminiscens, immunologisk (CMIA)	Architect i2000	μg/L	90 / 16% 800 / 10%
Cystatin C	Serum	Turbidimetri, immunologisk	Architect c8000	mg/L	1,01 / 4% 3,84 / 3%
Digoxin	Serum	Fotometri, immunologisk	Architect i2000	nmol/L	2,14/ 9% 3,70/ 7%
Eosinofila granulocyter	Blod	Flödescytometri	Sysmex, XN-1000	x10 ⁹ /L	0,27/ 10% 0,69/ 9%
Eosinofila granulocyter	Blod	Manuell teknik	Mikroskop	x10 ⁹ /L	Enl. Equalis rek. 95% konf.intervall
Erytrocyter, antalskoncentration	Blod	Hydrodynamisk fokusering	Sysmex XN-1000	x10 ¹² /L	2,30/ 2% 4,40/ 1%
Erytrocyt, volymfraktion, EVF	Blod	Hydrodynamisk fokusering	Sysmex XN-1000		0,18/ 2% 0,35/ 2%
Etanol	Serum	FID, Flame Ionization Detector, gaskromatografi	Shimadzu GC 2010Plus	mmol/L	31,4/ 7% 17,1/ 6%
Etylenglykol	Serum	FID, Flame Ionization Detector, gaskromatografi	Shimadzu GC 2010Plus	mmol/L	4,0/ 20% 7,5/ 11%
Fenytoin	Serum	Fotometri, immunologisk	Architect i2000	μmol/L	35,4/ 5% 104/ 5%

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Ferritin	Serum	CMIA, immunologisk	Architect i2000	µg/L	30 / 5% 350 / 5%
Fibrinogen	Plasma	Fotometri, trombininducerad	Sysmex CS-2500	g/L	1,3/ 8% 2,5 / 11%
Folat	Serum	CMIA, Folatbindande protein	Architect i2000	nmol/L	9 / 12% 35 / 7%
Follikelstimulerande hormon, FSH	Serum	Kemiluminiscens, CMIA (immunologisk)	Architect i2000	IU/L	5 / 4% 40 / 5%
Fosfat	Serum	Spektroskopisk, fosfomolybdat	Architect c8000	mmol/L	1,16/ 3% 2,19/ 2%
Fosfatas alkalisk, ALP	Serum	Spektroskopisk, Paranitrofenylfosfat	Architect c8000	µkat/L	2,1/ 4% 8,5/ 5%
Gentamicin	Serum	CMIA, immunologisk	Architect i2000	mg/L	1,3/ 8% 7,5/ 8%
Glukos	Serum	Spektroskopisk, Hexokinas/G-6-PDH	Architect c8000	mmol/L	4,3/ 3% 16,2/ 2%
Glutamyltransferas, γGT	Serum	Spektroskopisk, enzymatisk	Architect c8000	µkat/L	1,20/ 3% 7,23/ 2%
Haptoglobin	Serum	Turbidimetri, immunologisk	Architect c8000	g/L	0,82 / 4% 2,29 / 3%
Hemoglobin A1c, HbA1c	Blod	Fotometri, jonbyteskromatografi	Variant II Turbo	mmol/mol	36,9/ 3% 79,2/ 3% 52,7/ 3%
Hemoglobin, Hb	Blod	Natriumlaurylsulfat metod	Sysmex XN-1000	g/L	60/ 2% 120/ 1%
Homocystein	Serum	CMIA, immunologisk	Architect i2000	µmol/L	13 / 4% 25 / 5%
Humant koriongonadotropin + β subenhet, hCG+β	Serum	Elektrokemiluminiscens, immunologisk	Architect i2000	U/L	4 / 9% 400 / 4%
Immunfixation, IF	Serum	Elektroforetisk separation	SEBIA, Hydrasys 2		Ej kvantitativ metod.
Immunglobulin A, IgA	Serum	Turbidimetri, immunologisk	Architect c8000	g/L	1,31 / 3% 3,49 / 3%
Immunglobulin E totalt, tIgE	Serum	Fluoroenzymimmunoassay	Phadia 250	kU/L	103 / 14% 165 / 9%
Immunglobulin E specifikt d1 (kvalster <i>D. pteronyssinus</i>), slgE d1	Serum	Fluoroenzymimmunoassay	Phadia 250	kU/L	8,1 / 9%
Immunglobulin E specifikt e1 (katt), slgE e1	Serum	Fluoroenzymimmunoassay	Phadia 250	kU/L	2,2 / 10%
Immunglobulin E specifikt e5 (hund), slgE e5	Serum	Fluoroenzymimmunoassay	Phadia 250	kU/L	52,3 / 11%
Immunglobulin E specifikt f1 (äggvita), slgE f1	Serum	Fluoroenzymimmunoassay	Phadia 250	kU/L	5,3 / 10%
Immunglobulin E specifikt f2 (mjölk), slgE f2	Serum	Fluoroenzymimmunoassay	Phadia 250	kU/L	7,5 / 14%
Immunglobulin E specifikt f13 (jordnöt), slgE f13	Serum	Fluoroenzymimmunoassay	Phadia 250	kU/L	4,0 / 11%
Immunglobulin E specifikt g6 (timotej), slgE g6	Serum	Fluoroenzymimmunoassay	Phadia 250	kU/L	3,9 / 12%
Immunglobulin E specifikt t3 (björk), slgE t3	Serum	Fluoroenzymimmunoassay	Phadia 250	kU/L	3,1 / 8%
Immunglobulin E specifikt w6 (gråbo), slgE w6	Serum	Fluoroenzymimmunoassay	Phadia 250	kU/L	2,6 / 9%

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Immunglobulin G, IgG	Serum	Turbidimetri, immunologisk	Architect c8000	g/L	7,95 / 3% 19,6 / 3%
Immunglobulin M, IgM	Serum	Turbidimetri, immunologisk	Architect c8000	g/L	0,70 / 7% 2,05 / 4%
Isopropanol	Serum	FID, Flame Ionization Detector, gaskromatografi	Shimadzu GC 2010Plus	mmol/L	12,5/ 7% 13,0/ 6%
Järn	Serum,	Spektroskopisk, ferene, färgkomplex	Architect c8000	µmol/L	19,1/ 6% 46,1/ 5%
Jämnätnad	Serum	Beräknad	Architect c8000		
Kalium, K	Dialysvätska	Potentiometri, jonselektiv	ABL825 FLEX	mmol/L	1,8/ 2% 3,8/ 2% 5,5/ 2% 6,3/ 1%
Kalium, K	Serum	Potentiometri, jonselektiv (ICT)	Architect c8000	mmol/L	2,72/ 3% 5,08/ 3%
Karbamazepin	Serum	CMIA, immunologisk	Architect c8000	µmol/L	21,3/ 9% 61,5/ 5%
Karbonat, total, CO ₂ , tot	Serum	Spektroskopisk, enzymatisk	Architect c8000	mmol/L	20,1/ 8% 30,6/ 7%
Klorid	Dialysvätska	Potentiometri, jonselektiv	ABL825 FLEX	mmol/L	67 / 3% 91 / 3% 98 / 2% 123/ 2%
Klorid	Serum	Potentiometri, jonselektiv (ICT)	Architect c8000	mmol/L	84,3/ 2% 108,8/ 3%
Kobalamin, B12	Serum	CMIA, immunologisk	Architect i2000	pmol/L	200 / 7% 700 / 5%
Kolesterol	Serum	Spektroskopisk, enzymatisk	Architect c8000	mmol/L	3,90/ 2% 6,38/ 2%
HDL-Kolesterol	Serum	Spektroskopisk, kolesteroloxidas	Architect c8000	mmol/L	0,98/ 3% 1,32/ 4%
Komplementfaktor C3	Serum	Turbidimetri, immunologisk	Architect c8000	g/L	0,97 / 3% 2,46 / 4%
Komplementfaktor C4	Serum	Turbidimetri, immunologisk	Architect c8000	g/L	0,15 / 5% 0,45 / 4%
Kortisol	Serum	Elektrokemiluminiscens, immunologisk	Architect i2000	nmol/L	100 / 13% 850 / 5%
Kreatinkinase, total, CK tot	Serum	Spektroskopisk metod, enzymatisk	Architect c8000	µkat/L	2,4/ 5% 11,6/ 5%
Kreatinin	Serum	Spektroskopisk, enzymatisk	Architect c8000	µmol/L	88,7/ 3% 517/ 2%
Kreatinin	Urin	Spektroskopisk, enzymatisk	Architect c8000	mmol/L	6,57 / 3% 12,0 / 3%
Laktatdehydrogenas, LD	Serum	Spektroskopisk, enzymatisk	Architect c8000	µkat/L	2,57/ 7% 9,05/ 3%
Leukocyter, antalskoncentration	Blod	Flödescytometri	Sysmex XN-1000	x10 ⁹ /L	2,90/ 4% 6,50/ 3%
Litium	Serum	Spektroskopisk, färgkomplex	Architect c8000	mmol/L	1,09/ 5 % 2,43/ 3 %
Luteiniserande hormon, Lutropin, LH	Serum	Kemiluminiscens, CMIA (immunologisk)	Architect i2000	IU/L	3,5 / 5% 45 / 5%
Lymfocyter	Blod	Flödescytometri	Sysmex XN-1000	x10 ⁹ /L	1,00/ 8% 1,93/ 5%
Lymfocyter	Blod	Manuell teknik	Mikroskop	x10 ⁹ /L	Enl. Equalis rek. 95% konf.intervall
Magnesium, Mg	Serum	Spektroskopisk, enzymatisk	Architect c8000	mmol/L	0,83/ 4% 1,83/ 2%
Medelcell hemoglobinkoncentration, MCHC	Blod	Beräknat från Hb och EVF	Sysmex XN-1000	Beroende av	330/ 2 % 340/ 2%

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				Hb och EVF	
Medelcellvolym, MCV	Erythrocyter	Beräknad från EPK och EVF	Sysmex XN-1000	Beroende av EVF och EPK	78/ 1% 81,5/ 1 %
Metanol	Serum	FID, Flame Ionization Detector, gaskromatografi	Shimadzu GC 2010Plus	mmol/L	23,3/ 11% 24,6/ 6%
Monocyter	Blod	Flödscytometri	Sysmex XN-1000	x10 ⁹ /L	0,40/ 16% 0,99/ 12%
Monocyter	Blod	Manuell teknik	Mikroskop	x10 ⁹ /L	Enl. Equalis rek. 95% konf.intervall
Myoglobin	Serum	CMIA, immunologisk	Architect i2000	µg/L	25 / 6% 200 / 4%
Natrium, Na	Dialysvätska	Potentiometri, jonselektiv	ABL825 FLEX	mmol/L	130/ 2% 140/2% 160/ 1%
Natrium, Na	Serum	Potentiometri, jonselektiv (ICT)	Architect c8000	mmol/L	121,4/ 2% 144,0/ 1%
Neutrofila granulocyter	Blod	Flödscytometri	Sysmex XN-1000	x10 ⁹ /L	1,2/ 5% 3,0/ 4%
Neutrofila granulocyter	Blod	Manuell teknik	Mikroskop	x10 ⁹ /L	Enl. Equalis rek. 95% konf.intervall
Orosomukoid	Serum	Turbidimetri, immunologisk	Architect c8000	g/L	0,48 / 6% 0,96 / 5%
Osmolalitet Osmol	Serum	Fryspunktsbestämning	Gonotec Osmomat 3000 basic / Osmometer Löser typ 15	mosm	100/ 1% 400/ 1% 817/ 2%
Paracetamol	Serum	Spektroskopisk, enzymatisk	Architect c8000	µmolt/L	114/ 4% 1113/ 2%
Paratyreoideahormon, PTH	Plasma	Elektrokemiluminiscens, immunologisk	Architect i2000	pmol/L	17,1 / 9% 130 / 5%
Pro Brain natriuretic peptide (1-76), NT-ProBNP	Serum	Kemiluminiscens, CMIA (immunologisk)	Architect i2000	ng/L	81,5 / 8% 8766 / 8%
Prokalcitonin, PCT	Serum, plasma	Kemiluminiscens, CMIA (immunologisk)	Architect i2000	µg/L	0,2 / 5% 70 / 5%
Prolaktin, PRL	Serum	Kemiluminiscens, CMIA (immunologisk)	Architect i2000	mU/L	80 / 5% 850 / 4%
Prostata specifikt antigen, PSA	Serum	Kemiluminiscens, CMIA (immunologisk)	Architect i2000	µg/L	0,5 / 5% 20 / 5%
Prostata specifikt antigen, fritt, PSA, fritt	Serum	Kemiluminiscens, CMIA (immunologisk)	Architect i2000	µg/L	0,4 / 5% 14 / 5%
Proteinelektrofores	Serum	Elektroforetisk separation	SEBIA, Hydrasys		Ej kvantitativ metod.
Protrombinkomplex, PK	Plasma	Turbidimetri/Nefelometri, clot	Sysmex CS-2500		1,0 / 4% 2,5 / 6%
Salicylat	Serum	Enzymatisk, kolorimetrisk	Architect c8000	mmol/L	0,94/ 5% 2,65/ 5%
Tobramycin	Serum	Turbidimetrisk, PETINIA-analys	Architect c8000	mg/L	1,5/ 5% 7,4/ 3%
Transferrin	Serum	Turbidimetri, immunologisk	Architect c8000	g/L	1,35/ 5% 2,83/ 6%

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Triglycerider	Serum	Spektroskopisk, Glycerolfosfatoxidas	Architect c8000	mmol/L	1,39/ 3%	2,80/ 4%
Trijodtyronin, fritt, FT ₃	Serum	Kemiluminiscens, CMIA	Architect i2000	pmol/L	5 / 7%	15 / 4%
Trombocyter, antalskoncentration	Blod	Hydrodynamisk fokusering	Sysmex XN-1000	x10 ⁹ /L	94/ 15%	240/ 4%
Tromboplastintid, aktiverad, partiell, APTT	Plasma	Turbidimetri/Nefelometri, clot	Sysmex CS-2500	s	30 / 4%	65/ 4%
TroponinI hs	Serum	CMIA, immunologisk	Architect i2000	ng/L	12,6 / 8%	2573 / 8%
Tyreoidestimulerande hormon, TSH	Serum	Kemiluminiscens, CMIA	Architect i2000	mU/L	3,5 / 4%	20 / 4%
Tyroxin, fritt, FT ₄	Serum	Kemiluminiscens, CMIA	Architect i2000	pmol/L	12 / 4%	35 / 5%
Urat	Serum	Spektroskopisk, urikas	Architect c8000	μmol/L	247/ 2%	623/ 2%
Urea	Serum	Spektroskopisk, enzymatisk	Architect c8000	mmol/L	7,2/ 2%	19,5/ 2%
Vancomycin	Serum	CMIA, immunologisk	Architect i2000	mg/L	8,4/ 4%	41,8/ 4%