DIACHECK CONTROL L1

LOT 1182603 | REF CC4506 | 11.03.2028 | IVD CE

ANALYTE	METHOD	UNITS	TARGET	RANGE			1SD	2SD
Total Acid Phosphatase	Naphtyl Phosphate, Kinetic 37°C	U/L	16.08	12.86	-	19.30	1.61	3.22
Albumin	Bromocresol Green (BCG)	g/L	44.00	35.20	-	52.80	4.40	8.80
		g/dl	4.40	3.52	-	5.28	0.44	0.88
	Bromocresol Purple (BCP)	g/L	42.20	33.76	-	50.64	4.22	8.44
		g/dl	4.22	3.38	-	5.06	0.42	0.84
	Turbidimetric / Turbilatex	g/L	41.79	33.43	-	50.15	4.18	8.36
		g/dl	4.18	3.34	-	5.02	0.42	0.84
Alkaline Phosphatase	Diethanolamine buffer DEA 37°C	U/L	285.00	228.00	-	342.00	28.50	57.00
	AMP optimised to IFCC 37°C	U/L	252.78	202.22	-	303.34	25.28	50.56
	AMP non-optimised 37°C	U/L	255.44	204.35	-	306.53	25.54	51.09
	Colorimetric 37°C	U/L	242.14	193.71	-	290.57	24.21	48.43
ALT (GPT)	Colorimetric 37°C	U/L	38.32	30.66	-	45.98	3.83	7.66
	Tris buffer with P5P 37°C	U/L	39.25	31.40	-	47.10	3.93	7.85
	Tris buffer without P5P 37°C	U/L	31.00	24.80	-	37.20	3.10	6.20
Amylase (Pancreatic)	EPS SUBSTRATE 37°C	U/L	62.26	49.81	-	74.71	6.23	12.45
	EPS Liquid Stable 37°C	U/L	61.20	48.96	-	73.44	6.12	12.24
	Ethylidene pNPG7 Liquid Stable 37°C	U/L	73.00	58.40	-	87.60	7.30	14.60
Apo-A1	Immunoturbidimetric	g/l	1.15	0.92	-	1.38	0.12	0.23
		mg/dl	115.20	92.16	-	138.24	11.52	23.04
Apo-B	Immunoturbidimetric	g/l	0.64	0.51	-	0.77	0.06	0.13
		mg/dl	63.15	50.52	-	75.78	6.32	12.63
AST (GOT)	Colorimetric 37°C	U/L	36.58	29.26	-	43.90	3.66	7.32
	Tris buffer without P5P 37°C	U/L	32.00	25.60	-	38.40	3.20	6.40
	Tris buffer with P5P NVKC 37°C	U/L	37.66	30.13	-	45.19	3.77	7.53
Bicarbonate	Colorimetric	mmol/L	17.95	14.36	-	21.54	1.80	3.59
	Enzymatic	mmol/L	18.67	14.94	-	22.40	1.87	3.73
Bile Acids	4th Generation Colorimetric	umol/L	22.73	18.18	-	27.28	2.27	4.55
	5th Generation Colorimetric	umol/L	24.77	19.82	-	29.72	2.48	4.95
Bilirubin, Direct	Diazo with Sulphanilic Acid	µmol/L	25.24	20.19	-	30.29	2.52	5.05
		mg/dl	1.47	1.18	-	1.76	0.15	0.29
	DMSO	µmol/L	34.72	27.78	-	41.66	3.47	6.94
		mg/dl	2.03	1.62	-	2.44	0.20	0.41
	Oxidation to Biliverdin/Vanadate	µmol/L	23.71	18.97	-	28.45	2.37	4.74
		mg/dl	1.38	1.10	-	1.66	0.14	0.28
	Modified Jendrassik	µmol/L	31.98	25.59	-	38.38	3.20	6.40
		mg/dl	1.87	1.50	-	2.24	0.19	0.37
Bilirubin, Total	DMSO	µmol/L	53.53	42.83	-	64.24	5.35	10.71
		mg/dl	3.13	2.50	-	3.76	0.31	0.63
	Diazo with Sulphanilic Acid	µmol/L	28.12	22.50	-	33.74	2.81	5.62
		mg/dl	1.65	1.32	-	1.98	0.17	0.33
	Dichlorophenyl Diazonium (DPD)	µmol/L	25.64	20.51	-	30.77	2.56	5.13
		mg/dl	1.50	1.20	-	1.80	0.15	0.30
	Nitrobenzenediazonium salt	µmol/L	24.09	19.27	-	28.91	2.41	4.82
		mg/dl	1.41	1.13	-	1.69	0.14	0.28
	Diazonium ion	µmol/L	25.00	20.00	-	30.00	2.50	5.00
		mg/dl	1.47	1.18	-	1.76	0.15	0.29
	Oxidation to Biliverdin/Vanadate	µmol/L	29.22	23.38	-	35.06	2.92	5.84
		mg/dl	1.71	1.37	-	2.05	0.17	0.34
	Modified Jendrassik	µmol/L	40.88	32.70	-	49.05	4.09	8.18
		mg/dl	2.39	1.91	-	2.87	0.24	0.48
Calcium	Cresolphthalein complexone	mmol/L	2.17	1.74	-	2.60	0.22	0.43
		mg/dl	8.70	6.96	-	10.44	0.87	1.74
	Ion selective electrode	mmol/L	2.31	1.85	-	2.77	0.23	0.46
		mg/dl	9.30	7.44	-	11.16	0.93	1.86
	Arsenazo III	mmol/L	2.17	1.74	-	2.60	0.22	0.43
		mg/dl	8.70	6.96	-	10.44	0.87	1.74
	NM-BAPTA	mmol/L	2.34	1.87	-	2.81	0.23	0.47
		mg/dl	9.39	7.51	-	11.27	0.94	1.88

Chloride	**ISE direct**	mmol/L	96.46	77.17	-	115.75	9.65	19.29
	ISE indirect	mmol/L	95.22	76.18	-	114.26	9.52	19.04
Cholesterol	**Cholesterol Oxidase - Abell Kendall**	mmol/L	3.88	3.10	-	4.66	0.39	0.78
		mg/dl	150.00	120.00	-	180.00	15.00	30.00
	Cholesterol Oxidase - IDMS	mmol/L	4.05	3.24	-	4.86	0.41	0.81
		mg/dl	156.01	124.81	-	187.21	15.60	31.20
	Cholesterol Dehydrogenase	mmol/L	4.05	3.24	-	4.86	0.41	0.81
		mg/dl	156.01	124.81	-	187.21	15.60	31.20
Cholinesterase	**Butyrylthiocholine (Colourimetric) 37°C**	U/L	6550.30	5240.24	-	7860.36	655.03	1310.06
CK-Nac	**CK-NAC serum start (DGKC) 37°C**	U/L	230.97	184.78	-	277.16	23.10	46.19
	CK-NAC substrate start (DGKC) 37°C	U/L	229.73	183.78	-	275.68	22.97	45.95
	CK-NAC (IFCC) 37°C	U/L	190.00	152.00	-	228.00	19.00	38.00
Copper	**Atomic absorption**	µmol/L	19.40	15.52	-	23.28	1.94	3.88
		µg/dl	123.77	99.02	-	148.52	12.38	24.75
	Colorimetric	µmol/L	18.75	15.00	-	22.50	1.88	3.75
		µg/dl	119.15	95.32	-	142.98	11.92	23.83
Creatinine	**Alkaline picrate with deproteinization**	µmol/L	125.43	100.34	-	150.52	12.54	25.09
		mg/dl	1.42	1.14	-	1.70	0.14	0.28
	Alkaline picrate no deproteinization	µmol/L	124.38	99.50	-	149.26	12.44	24.88
		mg/dl	1.40	1.12	-	1.68	0.14	0.28
	Enzymatic UV method	µmol/L	125.43	100.34	-	150.52	12.54	25.09
		mg/dl	1.42	1.14	-	1.70	0.14	0.28
	Creatinine PAP method	µmol/L	124.38	99.50	-	149.26	12.44	24.88
		mg/dl	1.40	1.12	-	1.68	0.14	0.28
	Jaffe rate blanked	µmol/L	129.07	103.25	-	154.88	12.91	25.81
		mg/dl	1.46	1.17	-	1.75	0.15	0.29
	Jaffe rate blanked comp. (-26 µmol/l)	µmol/L	125.43	100.34	-	150.52	12.54	25.09
		mg/dl	1.42	1.14	-	1.70	0.14	0.28
	Jaffe rate blanked compensated (-18 µmol/l)	µmol/L	121.25	97.00	-	145.50	12.13	24.25
		mg/dl	1.37	1.10	-	1.64	0.14	0.27
	IDMS traceable	µmol/L	120.20	96.16	-	144.24	12.02	24.04
		mg/dl	1.36	1.09	-	1.63	0.14	0.27
Folate	**Roche Cobas e402/e801**	nmol/l	18.78	15.02	-	22.54	1.88	3.76
		ng/ml	8.30	6.64	-	9.96	0.83	1.66
Gamma-GT	**Gamma glutamyl.-3-carboxy-4-nitroanilide 37°C**	U/L	51.00	40.80	-	61.20	5.10	10.20
		U/L	51.64	41.31	-	61.97	5.16	10.33
GLDH	**Triethanolamine buffer 50 mmol 37°C**	U/L	27.22	21.78	-	32.66	2.72	5.44
Glucose	**Glucose dehydrogenase**	mmol/L	6.72	5.38	-	8.06	0.67	1.34
		mg/dl	120.94	96.75	-	145.13	12.09	24.19
	Hexokinase	mmol/L	6.55	5.24	-	7.86	0.66	1.31
		mg/dl	117.58	94.06	-	141.10	11.76	23.52
	Glucose oxidase	mmol/L	6.33	5.06	-	7.59	0.63	1.27
		mg/dl	114.00	91.20	-	136.80	11.40	22.80
α-HBDH	**Oxobutyrate <10mmol/l 37°C**	U/L	201.29	161.03	-	241.55	20.13	40.26
Iron	**Colorimetric with ppt.(Ferrene)**	µmol/L	19.96	15.97	-	23.95	2.00	3.99
		µg/dl	111.48	89.18	-	133.78	11.15	22.30
	Colorimetric without ppt.(Ferrozine)	µmol/L	22.93	18.34	-	27.52	2.29	4.59
		µg/dl	128.05	102.44	-	153.66	12.81	25.61
HDL Cholesterol (Direct)	**Direct**	mmol/L	1.50	1.20	-	1.80	0.15	0.30
		mg/dl	58.00	46.40	-	69.60	5.80	11.60
IgA	**Immunoturbidimetric**	g/l	1.66	1.33	-	1.99	0.17	0.33
		mg/dl	166.49	133.19	-	199.79	16.65	33.30
IgG	**Immunoturbidimetric**	g/l	7.50	6.00	-	9.00	0.75	1.50
		mg/dl	750.26	600.21	-	900.31	75.03	150.05
IgM	**Immunoturbidimetric**	g/l	0.56	0.45	-	0.67	0.06	0.11
		mg/dl	55.60	44.48	-	66.72	5.56	11.12
Lactate	**Colorimetric Lactate Oxidase**	mmol/L	1.66	1.33	-	1.99	0.17	0.33
		mg/dl	14.94	11.95	-	17.93	1.49	2.99
	Enzymatic Electrode	mmol/L	1.63	1.30	-	1.96	0.16	0.33
		mg/dl	14.61	11.69	-	17.53	1.46	2.92
LDH P-L LACTATE DEHYDROGENASE	**P->L Scandinavian & Dutch 37°C**	U/L	334.00	267.20	-	400.80	33.40	66.80
	P->L German methods 37°C	U/L	386.91	309.53	-	464.29	38.69	77.38
	P->L SFBC 37°C	U/L	399.81	319.85	-	479.77	39.98	79.96
	L->P 37°C	U/L	184.12	147.30	-	220.94	18.41	36.82
LDL Cholesterol Direct	**Direct**	mmol/L	2.22	1.78	-	2.67	0.22	0.44
		mg/dl	86.00	68.80	-	103.20	8.60	17.20
Lipase	**Colorimetric 37°C**	U/L	40.78	32.62	-	48.94	4.08	8.16

Lithium	**Ion Selective Electrode**	mmol/L	0.84	0.67	-	1.01	0.08	0.17
		mg/dl	0.58	0.46	-	0.70	0.06	0.12
	Spectrophotometric	mmol/L	0.84	0.67	-	1.01	0.08	0.17
		mg/dl	0.59	0.47	-	0.71	0.06	0.12
Magnesium	**Arsenazo III**	mmol/L	1.09	0.87	-	1.31	0.11	0.22
		mg/dl	2.64	2.11	-	3.17	0.26	0.53
	Calmagite	mmol/L	0.90	0.72	-	1.08	0.09	0.18
		mg/dl	2.19	1.75	-	2.63	0.22	0.44
	Xylidyl Blue	mmol/L	0.94	0.75	-	1.13	0.09	0.19
		mg/dl	2.28	1.82	-	2.74	0.23	0.46
	Methylthymol blue	mmol/L	0.92	0.74	-	1.10	0.09	0.18
		mg/dl	2.24	1.79	-	2.69	0.22	0.45
	Chlorphosphonazo III	mmol/L	0.82	0.66	-	0.99	0.08	0.16
		mg/dl	2.00	1.60	-	2.40	0.20	0.40
	Enzymatic	mmol/L	0.93	0.74	-	1.12	0.09	0.19
		mg/dl	2.26	1.81	-	2.71	0.23	0.45
NEFA	**Colorimetric**	mmol/l	0.88	0.70	-	1.06	0.09	0.18
Phosphate Inorganic	**Phosphomolybdate enzymatic**	mmol/L	1.49	1.19	-	1.79	0.15	0.30
		mg/dl	4.63	3.70	-	5.56	0.46	0.93
	Phosphomolybdate UV	mmol/L	1.44	1.15	-	1.72	0.14	0.29
		mg/dl	4.45	3.56	-	5.34	0.45	0.89
Potassium	**ISE method - direct**	mmol/L	4.22	3.38	-	5.06	0.42	0.84
	ISE method - indirect	mmol/L	4.23	3.38	-	5.08	0.42	0.85
	Enzymatic	mmol/L	4.22	3.38	-	5.06	0.42	0.84
Protein, Total	**Biuret reaction end point**	g/L	59.00	47.20	-	70.80	5.90	11.80
		g/dl	5.90	4.72	-	7.08	0.59	1.18
	Biuret reaction kinetic	g/L	59.69	47.75	-	71.63	5.97	11.94
		g/dl	5.93	4.74	-	7.12	0.59	1.19
Sodium	**ISE method - direct**	mmol/L	146.00	116.80	-	175.20	14.60	29.20
	ISE method - indirect	mmol/L	147.00	117.60	-	176.40	14.70	29.40
	Enzymatic	mmol/L	149.00	119.20	-	178.80	14.90	29.80
TIBC	**Removal of excess free iron**	µmol/L	34.72	27.78	-	41.66	3.47	6.94
		µg/dl	193.84	155.07	-	232.61	19.38	38.77
	FE+UIBC(saturation with iron)	µmol/L	36.61	29.29	-	43.93	3.66	7.32
		µg/dl	205.04	164.03	-	246.05	20.50	41.01
	Direct Colorimetric	µmol/L	37.91	30.33	-	45.49	3.79	7.58
		µg/dl	211.93	169.54	-	254.32	21.19	42.39
	Calculated from Transferrin	µmol/L	36.61	29.29	-	43.93	3.66	7.32
		µg/dl	205.04	164.03	-	246.05	20.50	41.01
Triglycerides	**Lipase/GPO-PAP**	mmol/L	1.37	1.09	-	1.64	0.14	0.27
		mg/dl	121.00	96.80	-	145.20	12.10	24.20
	L/G Kinase EP. no correction	mmol/L	1.22	0.98	-	1.46	0.12	0.24
		mg/dl	108.02	86.42	-	129.62	10.80	21.60
	L/G kinase EP. 0.11 mmol/l correction	mmol/L	1.22	0.98	-	1.46	0.12	0.24
		mg/dl	108.02	86.42	-	129.62	10.80	21.60
	Lipase/Glycerol Dehydrogenase	mmol/L	1.21	0.97	-	1.45	0.12	0.24
		mg/dl	107.14	85.71	-	128.57	10.71	21.43
Urea	**Urease end point**	mmol/L	7.83	6.26	-	9.39	0.78	1.57
		mg/dl	47.00	37.60	-	56.40	4.70	9.40
	Urease kinetic	mmol/L	6.99	5.59	-	8.39	0.70	1.40
		mg/dl	42.00	33.60	-	50.40	4.20	8.40
	BUN	mmol/L	3.46	2.77	-	4.15	0.35	0.69
		mg/dl	20.77	16.62	-	24.92	2.08	4.15
Uric Acid	**Uricase catalase 340nm**	mmol/L	0.36	0.29	-	0.43	0.04	0.07
		mg/dl	6.07	4.86	-	7.28	0.61	1.21
	Uricase peroxidase with ascorbate oxidase	mmol/L	0.36	0.29	-	0.43	0.04	0.07
		mg/dl	6.11	4.89	-	7.33	0.61	1.22
	Uricase peroxidase no ascorbate oxidase	mmol/L	0.37	0.30	-	0.44	0.04	0.07
		mg/dl	6.20	4.96	-	7.44	0.62	1.24
	Spectrophotometric at 280-290	mmol/L	0.36	0.29	-	0.43	0.04	0.07
		mg/dl	6.06	4.85	-	7.27	0.61	1.21
	Uricase Peroxidase with ascorbate oxidase @ 546nm	mmol/L	0.36	0.29	-	0.43	0.04	0.07
		mg/dl	6.04	4.83	-	7.25	0.60	1.21
Zinc	**Colorimetric with deproteinisation**	µmol/L	22.94	18.35	-	27.53	2.29	4.59
		µg/dl	150.00	120.00	-	180.00	15.00	30.00
	Colorimetric without deprot.	µmol/L	22.79	18.23	-	27.35	2.28	4.56
		µg/dl	149.00	119.20	-	178.80	14.90	29.80