DIACHECK CONTROL L2

LOT 1182604 | REF CC4506 | 11.03.2028 | IVD CE

ANALYTE	METHOD	UNITS	TARGET	RANGE			1SD	2SD
Total Acid Phosphatase	Naphtyl Phosphate, Kinetic 37°C	U/L	28.00	12.86	-	19.30	1.61	3.22
Albumin	Bromocresol Green (BCG)	g/L	38.00	35.20	-	52.80	4.40	8.80
		g/dl	3.80	3.52	-	5.28	0.44	0.88
	Bromocresol Purple (BCP)	g/L	26.00	33.76	-	50.64	4.22	8.44
		g/dl	2.60	3.38	-	5.06	0.42	0.84
	Turbidimetric / Turbilatex	g/L	25.15	33.43	-	50.15	4.18	8.36
		g/dl	2.52	3.34	-	5.02	0.42	0.84
Alkaline Phosphatase	Diethanolamine buffer DEA 37°C	U/L	410.00	228.00	-	342.00	28.50	57.00
	AMP optimised to IFCC 37°C	U/L	369.00	202.22	-	303.34	25.28	50.56
	AMP non-optimised 37°C	U/L	367.00	204.35	-	306.53	25.54	51.09
	Colorimetric 37°C	U/L	333.00	193.71	-	290.57	24.21	48.43
ALT (GPT)	Colorimetric 37°C	U/L	158.15	30.66	-	45.98	3.83	7.66
	Tris buffer with P5P 37°C	U/L	172.15	31.40	-	47.10	3.93	7.85
	Tris buffer without P5P 37°C	U/L	118.31	24.80	-	37.20	3.10	6.20
Amylase (Pancreatic)	EPS SUBSTRATE 37°C	U/L	250.56	49.81	-	74.71	6.23	12.45
	EPS Liquid Stable 37°C	U/L	246.52	48.96	-	73.44	6.12	12.24
	Ethylidene pNPG7 Liquid Stable 37°C	U/L	310.00	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	156.49	29.26	-	43.90	3.66	7.32
	Tris buffer without P5P 37°C	U/L	105.00	25.60	-	38.40	3.20	6.40
	Tris buffer with P5P NVKC 37°C	U/L	166.86	30.13	-	45.19	3.77	7.53
Bicarbonate	Colorimetric	mmol/L	18.44	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	42.12	18.18	-	27.28	2.27	4.55
	5th Generation Colorimetric	umol/L	44.48	19.82	-	29.72	2.48	4.95
Bilirubin, Direct	Diazo with Sulphanilic Acid	µmol/L	30.91	20.19	-	30.29	2.52	5.05
		mg/dl	1.80	1.18	-	1.76	0.15	0.29
	DMSO	µmol/L	38.31	27.78	-	41.66	3.47	6.94
		mg/dl	2.24	1.62	-	2.44	0.20	0.41
	Oxidation to Biliverdin/Vanadate	µmol/L	31.30	18.97	-	28.45	2.37	4.74
		mg/dl	1.83	1.10	-	1.66	0.14	0.28
	Modified Jendrassik	µmol/L	43.96	25.59	-	38.38	3.20	6.40
		mg/dl	2.57	1.50	-	2.24	0.19	0.37
Bilirubin, Total	DMSO	µmol/L	111.17	42.83	-	64.24	5.35	10.71
		mg/dl	6.50	2.50	-	3.76	0.31	0.63
	Diazo with Sulphanilic Acid	µmol/L	99.11	22.50	-	33.74	2.81	5.62
		mg/dl	5.79	1.32	-	1.98	0.17	0.33
	Dichlorophenyl Diazonium (DPD)	µmol/L	88.93	20.51	-	30.77	2.56	5.13
		mg/dl	5.20	1.20	-	1.80	0.15	0.30
	Nitrobenzenediazonium salt	µmol/L	103.14	19.27	-	28.91	2.41	4.82
		mg/dl	6.03	1.13	-	1.69	0.14	0.28
	Diazonium ion	µmol/L	93.63	20.00	-	30.00	2.50	5.00
		mg/dl	5.48	1.18	-	1.76	0.15	0.29
	Oxidation to Biliverdin/Vanadate	µmol/L	110.52	23.38	-	35.06	2.92	5.84
		mg/dl	6.47	1.37	-	2.05	0.17	0.34
	Modified Jendrassik	µmol/L	82.61	32.70	-	49.05	4.09	8.18
		mg/dl	4.83	1.91	-	2.87	0.24	0.48
Calcium	Cresolphthalein complexone	mmol/L	3.24	1.74	-	2.60	0.22	0.43
		mg/dl	12.98	6.96	-	10.44	0.87	1.74
	Ion selective electrode	mmol/L	3.27	1.85	-	2.77	0.23	0.46
		mg/dl	13.09	7.44	-	11.16	0.93	1.86
	Arsenazo III	mmol/L	3.24	1.74	-	2.60	0.22	0.43
		mg/dl	12.98	6.96	-	10.44	0.87	1.74
	NM-BAPTA	mmol/L	3.28	1.87	-	2.81	0.23	0.47
		mg/dl	13.09	7.51	-	11.27	0.94	1.88

Chloride	**ISE direct**	mmol/L	116.03	77.17	-	115.75	9.65	19.29
	ISE indirect	mmol/L	115.00	76.18	-	114.26	9.52	19.04
Cholesterol	**Cholesterol Oxidase - Abell Kendall**	mmol/L	6.60	3.10	-	4.66	0.39	0.78
		mg/dl	255.00	120.00	-	180.00	15.00	30.00
	Cholesterol Oxidase - IDMS	mmol/L	6.53	3.24	-	4.86	0.41	0.81
		mg/dl	252.15	124.81	-	187.21	15.60	31.20
	Cholesterol Dehydrogenase	mmol/L	6.44	3.24	-	4.86	0.41	0.81
		mg/dl	248.59	124.81	-	187.21	15.60	31.20
Cholinesterase	**Butyrylthiocholine (Colourimetric) 37°C**	U/L	5499.00	5240.24	-	7860.36	655.03	1310.06
CK-Nac	**CK-NAC serum start (DGKC) 37°C**	U/L	539.00	184.78	-	277.16	23.10	46.19
	CK-NAC substrate start (DGKC) 37°C	U/L	560.00	183.78	-	275.68	22.97	45.95
	CK-NAC (IFCC) 37°C	U/L	395.00	152.00	-	228.00	19.00	38.00
Copper	**Atomic absorption**	µmol/L	29.33	15.52	-	23.28	1.94	3.88
		µg/dl	186.00	99.02	-	148.52	12.38	24.75
	Colorimetric	µmol/L	29.22	15.00	-	22.50	1.88	3.75
		µg/dl	185.46	95.32	-	142.98	11.92	23.83
Creatinine	**Alkaline picrate with deproteinization**	µmol/L	310.83	100.34	-	150.52	12.54	25.09
		mg/dl	3.51	1.14	-	1.70	0.14	0.28
	Alkaline picrate no deproteinization	µmol/L	319.48	99.50	-	149.26	12.44	24.88
		mg/dl	3.61	1.12	-	1.68	0.14	0.28
	Enzymatic UV method	µmol/L	337.00	100.34	-	150.52	12.54	25.09
		mg/dl	3.82	1.14	-	1.70	0.14	0.28
	Creatinine PAP method	µmol/L	335.80	99.50	-	149.26	12.44	24.88
		mg/dl	3.80	1.12	-	1.68	0.14	0.28
	Jaffe rate blanked	µmol/L	323.89	103.25	-	154.88	12.91	25.81
		mg/dl	3.66	1.17	-	1.75	0.15	0.29
	Jaffe rate blanked comp. (-26 µmol/l)	µmol/L	321.20	100.34	-	150.52	12.54	25.09
		mg/dl	3.63	1.14	-	1.70	0.14	0.28
	Jaffe rate blanked compensated (-18 µmol/l)	µmol/L	325.00	97.00	-	145.50	12.13	24.25
		mg/dl	3.68	1.10	-	1.64	0.14	0.27
	IDMS traceable	µmol/L	325.00	96.16	-	144.24	12.02	24.04
		mg/dl	3.63	1.09	-	1.63	0.14	0.27
Folate	**Roche Cobas e402/e801**	nmol/l	7.50	15.02	-	22.54	1.88	3.76
		ng/ml	3.31	6.64	-	9.96	0.83	1.66
Gamma-GT	**Gamma glutamyl.-3-carboxy-4-nitroanilide 37°C**	U/L	159.00	40.80	-	61.20	5.10	10.20
		U/L	182.00	41.31	-	61.97	5.16	10.33
GLDH	**Triethanolamine buffer 50 mmol 37°C**	U/L	44.35	21.78	-	32.66	2.72	5.44
Glucose	**Glucose dehydrogenase**	mmol/L	17.51	5.38	-	8.06	0.67	1.34
		mg/dl	315.91	96.75	-	145.13	12.09	24.19
	Hexokinase	mmol/L	18.07	5.24	-	7.86	0.66	1.31
		mg/dl	325.50	94.06	-	141.10	11.76	23.52
	Glucose oxidase	mmol/L	17.60	5.06	-	7.59	0.63	1.27
		mg/dl	317.00	91.20	-	136.80	11.40	22.80
α-HBDH	**Oxobutyrate <10mmol/l 37°C**	U/L	340.00	161.03	-	241.55	20.13	40.26
Iron	**Colorimetric with ppt.(Ferrene)**	µmol/L	37.92	15.97	-	23.95	2.00	3.99
		µg/dl	212.17	89.18	-	133.78	11.15	22.30
	Colorimetric without ppt.(Ferrozine)	µmol/L	38.70	18.34	-	27.52	2.29	4.59
		µg/dl	216.53	102.44	-	153.66	12.81	25.61
HDL Cholesterol (Direct)	**Direct**	mmol/L	2.64	1.20	-	1.80	0.15	0.30
		mg/dl	102.00	46.40	-	69.60	5.80	11.60
IgA	**Immunoturbidimetric**	g/l	1.18	1.33	-	1.99	0.17	0.33
		mg/dl	117.60	133.19	-	199.79	16.65	33.30
IgG	**Immunoturbidimetric**	g/l	4.96	6.00	-	9.00	0.75	1.50
		mg/dl	496.00	600.21	-	900.31	75.03	150.05
IgM	**Immunoturbidimetric**	g/l	0.49	0.45	-	0.67	0.06	0.11
		mg/dl	48.62	44.48	-	66.72	5.56	11.12
Lactate	**Colorimetric Lactate Oxidase**	mmol/L	5.40	1.33	-	1.99	0.17	0.33
		mg/dl	48.60	11.95	-	17.93	1.49	2.99
	Enzymatic Electrode	mmol/L	5.64	1.30	-	1.96	0.16	0.33
		mg/dl	50.82	11.69	-	17.53	1.46	2.92
LDH P-L LACTATE DEHYDROGENASE	**P->L Scandinavian & Dutch 37°C**	U/L	443.00	267.20	-	400.80	33.40	66.80
	P->L German methods 37°C	U/L	617.00	309.53	-	464.29	38.69	77.38
	P->L SFBC 37°C	U/L	605.00	319.85	-	479.77	39.98	79.96
	L->P 37°C	U/L	86.00	147.30	-	220.94	18.41	36.82
LDL Cholesterol Direct	**Direct**	mmol/L	2.92	1.78	-	2.67	0.22	0.44
		mg/dl	113.00	68.80	-	103.20	8.60	17.20
Lipase	**Colorimetric 37°C**	U/L	81.37	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	1.91	0.87	-	1.31	0.11	0.22
		mg/dl	4.63	2.11	-	3.17	0.26	0.53
	Calmagite	mmol/L	1.64	0.72	-	1.08	0.09	0.18
		mg/dl	3.99	1.75	-	2.63	0.22	0.44
	Xylidyl Blue	mmol/L	1.68	0.75	-	1.13	0.09	0.19
		mg/dl	4.08	1.82	-	2.74	0.23	0.46
	Methylthymol blue	mmol/L	1.66	0.74	-	1.10	0.09	0.18
		mg/dl	4.03	1.79	-	2.69	0.22	0.45
	Chlorphosphonazo III	mmol/L	1.34	0.66	-	0.99	0.08	0.16
		mg/dl	3.26	1.60	-	2.40	0.20	0.40
	Enzymatic	mmol/L	1.69	0.74	-	1.12	0.09	0.19
		mg/dl	4.10	1.81	-	2.71	0.23	0.45
NEFA	**Colorimetric**	mmol/l	0.95	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	3.05	1.09	-	1.64	0.14	0.27
		mg/dl	270.00	96.80	-	145.20	12.10	24.20
	L/G Kinase EP. no correction	mmol/L	3.30	0.98	-	1.46	0.12	0.24
		mg/dl	292.00	86.42	-	129.62	10.80	21.60
	L/G kinase EP. 0.11 mmol/l correction	mmol/L	3.36	0.98	-	1.46	0.12	0.24
		mg/dl	298.00	86.42	-	129.62	10.80	21.60
	Lipase/Glycerol Dehydrogenase	mmol/L	3.39	0.97	-	1.45	0.12	0.24
		mg/dl	300.00	85.71	-	128.57	10.71	21.43
Urea	**Urease end point**	mmol/L	17.98	6.26	-	9.39	0.78	1.57
		mg/dl	108.00	37.60	-	56.40	4.70	9.40
	Urease kinetic	mmol/L	17.82	5.59	-	8.39	0.70	1.40
		mg/dl	107.00	33.60	-	50.40	4.20	8.40
	BUN	mmol/L	18.00	2.77	-	4.15	0.35	0.69
		mg/dl	50.50	16.62	-	24.92	2.08	4.15
Uric Acid	**Uricase catalase 340nm**	mmol/L	0.58	0.29	-	0.43	0.04	0.07
		mg/dl	9.81	4.86	-	7.28	0.61	1.21
	Uricase peroxidase with ascorbate oxidase	mmol/L	0.59	0.29	-	0.43	0.04	0.07
		mg/dl	10.07	4.89	-	7.33	0.61	1.22
	Uricase peroxidase no ascorbate oxidase	mmol/L	0.54	0.30	-	0.44	0.04	0.07
		mg/dl	9.10	4.96	-	7.44	0.62	1.24
	Spectrophotometric at 280-290	mmol/L	0.59	0.29	-	0.43	0.04	0.07
		mg/dl	10.00	4.85	-	7.27	0.61	1.21
	Uricase Peroxidase with ascorbate oxidase @ 546nm	mmol/L	0.59	0.29	-	0.43	0.04	0.07
		mg/dl	9.94	4.83	-	7.25	0.60	1.21
Zinc	**Colorimetric with deproteinisation**	µmol/L	29.37	18.35	-	27.53	2.29	4.59
		µg/dl	192.00	120.00	-	180.00	15.00	30.00
	Colorimetric without deprot.	µmol/L	29.50	18.23	-	27.35	2.28	4.56
		µg/dl	193.00	119.20	-	178.80	14.90	29.80