

Clinical Chemistry Control– Level 2

Assignment of values (REF BYZKD0203 LOT 03H1102)

Instrument	Analyte	Unit	Clinical Chemistry Control Level2		
			Target	SD	Range
Toshiba TBA-120FR/TBA-FX8	ADA	U/L	36.39	3.57	25.69-47.09
	ALB	g/L	34.66	3.22	25.01-44.31
	ALP	U/L	147.14	13.75	105.90-188.38
	ALT	U/L	98.22	9.50	69.72-126.72
	α-AMY	U/L	96.20	8.73	70.02-122.38
	AST	U/L	114.01	11.43	79.73-148.29
	Ca	mmol/L	2.51	0.25	1.76-3.26
	CHE	U/L	6188	589.00	4420-7955
	CK	U/L	194.93	18.81	138.49-251.37
	CL	mmol/L	96.71	9.05	69.57-123.85
	Cre	μmol/L	155.76	14.89	111.09-200.43
	Cu	μmol/L	17.17	1.67	12.15-22.19
	DBIL	μmol/L	23.26	2.19	16.70-29.82
	Fe	μmol/L	22.93	2.37	15.83-30.03
	GLU	mmol/L	5.56	0.55	3.91-7.21
	GGT	U/L	101.27	9.41	73.04-129.50
	Li	mmol/L	2.30	0.23	1.62-2.98
	HBDH	U/L	186.15	17.56	133.46-238.84
	HDL-C	mmol/L	1.27	0.12	0.90-1.64
	K	mmol/L	3.92	0.38	2.77-5.07
	LAC	mmol/L	3.51	0.34	2.49-4.53
	LDH	U/L	202.56	19.80	143.17-261.95
	LDL-C	mmol/L	1.88	0.19	1.32-2.44
	LPS	U/L	42.55	4.15	30.09-55.01
	Mg	mmol/L	1.04	0.10	0.75-1.33
	Na	mmol/L	147.30	14.61	103.46-191.14
	P	mmol/L	1.31	0.13	0.93-1.69
	P-AMY	U/L	72.33	6.83	51.84-92.82
	TBA	μmol/L	22.08	2.15	15.63-28.53
	TBIL	μmol/L	46.53	4.39	33.35-59.71
	TC	mmol/L	3.89	0.36	2.81-4.97

Instrument	Analyte	Unit	Clinical Chemistry Control Level2		
			Target	SD	Range
Toshiba TBA-120FR/TBA-FX8	TG	mmol/L	1.49	0.14	1.07-1.91
	TIBC	μmol/L	46.32	4.68	32.27-60.37
	TP	g/L	53.21	5.07	38.00-68.42
	UA	μmol/L	358.61	32.35	261.56-455.66
	Urea	mmol/L	15.33	1.47	10.93-19.73
	Zn	μmol/L	31.05	2.94	22.23-39.87
	5'-NT	U/L	27.9	2.65	19.95-35.85
Beckman Coulter AU680	ADA	U/L	29.59	2.95	20.73-38.44
	ALB	g/L	34.38	3.00	25.39-43.37
	ALP	U/L	163.28	15.66	116.29-210.26
	ALT	U/L	89.50	8.36	64.40-114.59
	α-AMY	U/L	94.92	8.78	68.58-121.26
	AST	U/L	110.07	10.48	78.64-141.50
	Ca	mmol/L	2.49	0.22	1.83-3.14
	CHE	U/L	5936	526.00	4358-7514
	CK	U/L	198.34	19.17	140.84-255.84
	CL	mmol/L	103.17	9.42	74.91-131.43
	Cre	μmol/L	139.00	13.14	99.59-178.41
	Cu	μmol/L	18.60	1.83	13.11-24.08
	DBIL	μmol/L	27.31	2.68	19.26-35.36
	Fe	μmol/L	26.38	2.60	18.59-34.17
	GLU	mmol/L	5.06	0.46	3.67-6.45
	GGT	U/L	97.35	9.47	68.93-125.77
	HBDH	U/L	172.21	15.65	125.25-219.17
	HDL-C	mmol/L	1.26	0.12	0.90-1.63
	K	mmol/L	4.10	0.37	2.98-5.22
	LAC	mmol/L	3.02	0.31	2.08-3.95
	LDH	U/L	184.78	18.16	130.31-239.25
	LDL-C	mmol/L	1.96	0.19	1.39-2.53
	LPS	U/L	38.66	3.52	28.10-49.21
	Mg	mmol/L	0.92	0.08	0.67-1.17
	Na	mmol/L	142.89	13.28	103.05-182.74
	P-AMY	U/L	68.60	6.52	49.03-88.18
	P	mmol/L	1.34	0.12	0.97-1.71
	TBA	μmol/L	23.73	2.24	17.00-30.46
	TBIL	μmol/L	47.22	4.46	33.84-60.60
	TC	mmol/L	3.73	0.33	2.73-4.73
	TG	mmol/L	1.63	0.16	1.16-2.11

Instrument	Analyte	Unit	Clinical Chemistry Control Level2		
			Target	SD	Range
Beckman Coulter AU680	TIBC	μmol/L	53.75	5.10	38.44-69.07
	TP	g/L	55.62	5.08	40.38-70.86
	Urea	mmol/L	14.65	1.33	10.65-18.65
	UA	μmol/L	377.58	33.00	278.57-476.59
	Zn	μmol/L	36.46	3.45	26.11-46.82
	5'-NT	U/L	31.49	3.11	22.17-40.81
Beckman Coulter AU5800	ADA	U/L	36.85	3.69	25.80-47.91
	ALB	g/L	35.65	3.57	24.96-46.35
	ALP	U/L	179.50	17.95	125.65-233.35
	ALT	U/L	92.20	9.22	64.54-119.86
	α-AMY	U/L	98.00	9.80	68.60-127.40
	AST	U/L	125.10	12.51	87.57-162.63
	Ca	mmol/L	2.48	0.25	1.74-3.22
	CHE	U/L	5740	574.00	4018-7462
	CK	U/L	149.50	14.95	104.65-194.35
	CL	mmol/L	94.55	9.46	66.19-122.92
	Cre	μmol/L	152.00	15.20	106.40-197.6
	Cu	μmol/L	14.99	1.50	10.49-19.49
	DBIL	μmol/L	28.10	2.81	19.67-36.53
	Fe	μmol/L	23.32	2.33	16.32-30.32
	GGT	U/L	102.50	10.25	71.75-133.25
	GLU	mmol/L	5.21	0.52	3.65-6.77
	HBDH	U/L	158.00	15.80	110.60-205.40
	HDL-C	mmol/L	0.95	0.10	0.67-1.24
	K	mmol/L	3.86	0.39	2.70-5.02
	LDH	U/L	184.00	18.40	128.8-239.2
	LDL-C	mmol/L	2.05	0.21	1.44-2.67
	Mg	mmol/L	0.95	0.10	0.67-1.24
	Na	mmol/L	140.60	14.06	98.42-182.78
	P	mmol/L	1.29	0.13	0.90-1.68
	TBA	μmol/L	17.50	1.75	12.25-22.75
	TBIL	μmol/L	51.75	5.18	36.23-67.28
	TC	mmol/L	3.94	0.39	2.76-5.12
	TG	mmol/L	1.51	0.15	1.06-1.96
	TP	g/L	53.05	5.31	37.14-68.97
	UA	μmol/L	373.00	37.30	261.10-484.90
	Urea	mmol/L	13.76	1.38	9.63-17.89

Instrument	Analyte	Unit	Clinical Chemistry Control Level2		
			Target	SD	Range
Mindray BS-2800	ALB	g/L	33.90	3.39	23.73-44.07
	ALP	U/L	168.70	16.87	118.09-219.31
	ALT	U/L	92.70	9.27	64.89-120.51
	α-AMY	U/L	99.40	9.94	69.58-129.22
	AST	U/L	129.50	12.95	90.65-168.35
	Ca	mmol/L	2.36	0.24	1.65-3.07
	CHE	U/L	5813	581.00	4069-7557
	CK	U/L	146.70	14.67	102.69-190.71
	CL	mmol/L	94.20	9.42	65.94-122.46
	Cre	μmol/L	151.70	15.17	106.19-197.21
	DBIL	μmol/L	/	/	/
	Fe	μmol/L	24.00	2.40	16.80-31.20
	GGT	U/L	96.00	9.60	67.20-124.80
	GLU	mmol/L	5.31	0.53	3.72-6.90
	HBDH	U/L	194.80	19.48	136.36-253.24
	HDL-C	mmol/L	0.85	0.09	0.60-1.11
	K	mmol/L	3.93	0.39	2.75-5.11
	LDH	U/L	194.20	19.42	135.94-252.46
	LDL-C	mmol/L	1.94	0.19	1.36-2.52
	LPS	U/L	41.96	4.20	29.37-54.55
	Mg	mmol/L	1.01	0.10	0.71-1.31
	Na	mmol/L	141.60	14.16	99.12-184.08
	P	mmol/L	1.30	0.13	0.91-1.69
	TBA	μmol/L	16.60	1.66	11.62-21.58
	TBIL	μmol/L	/	/	/
	TC	mmol/L	3.34	0.33	2.34-4.34
	TG	mmol/L	1.52	0.15	1.06-1.98
	TP	g/L	53.10	5.31	37.17-69.03
	UA	μmol/L	350.70	35.07	245.49-455.91
	Urea	mmol/L	15.24	1.52	10.67-19.81
AutoChem B2000	5'-NT	U/L	31.15	3.12	21.81-40.50
	ADA	U/L	40.50	4.05	28.35-52.65
	ALB	g/L	34.94	3.49	24.46-45.42
	ALP	U/L	156.10	15.61	109.27-202.93
	ALT	U/L	98.95	9.90	69.27-128.64
	AST	U/L	115.95	11.60	81.17-150.74
	Ca	mmol/L	2.52	0.25	1.76-3.28
	CHE	U/L	6180	618.00	4326-8034

Instrument	Analyte	Unit	Clinical Chemistry Control Level2		
			Target	SD	Range
AutoChem B2000	CK	U/L	199.40	19.94	139.58-259.22
	CL	mmol/L	96.67	9.67	67.67-125.67
	Cre	μmol/L	158.10	15.81	110.67-205.53
	Cu	μmol/L	16.29	1.63	11.40-21.18
	DBIL	μmol/L	24.26	2.43	16.98-31.54
	Fe	μmol/L	23.47	2.35	16.43-30.51
	GGT	U/L	104.88	10.49	73.42-136.34
	GLU	mmol/L	5.45	0.55	3.82-7.09
	HBDH	U/L	189.70	18.97	132.79-246.61
	HDL-C	mmol/L	1.24	0.12	0.87-1.61
	K	mmol/L	3.93	0.39	2.75-5.11
	LAC	mmol/L	3.43	0.34	2.40-4.46
	LDH	U/L	200.05	20.01	140.04-260.07
	LDL-C	mmol/L	1.92	0.19	1.34-2.50
	LPS	U/L	45.86	4.59	32.10-59.62
	Mg	mmol/L	1.01	0.10	0.71-1.31
	Na	mmol/L	142.40	14.24	99.68-185.12
	P	mmol/L	1.39	0.14	0.97-1.81
	P-AMY	U/L	73.50	7.35	51.45-95.55
	TBA	μmol/L	20.93	2.09	14.65-27.21
	TBIL	μmol/L	46.48	4.65	32.54-60.42
	TC	mmol/L	3.85	0.39	2.70-5.01
	TG	mmol/L	1.45	0.15	1.02-1.89
	TIBC	μmol/L	47.20	4.72	33.04-61.36
	TP	g/L	55.27	5.53	38.69-71.85
	UA	μmol/L	359.50	35.95	251.65-467.35
	Urea	mmol/L	15.03	1.50	10.52-19.54
	Zn	μmol/L	29.48	2.95	20.64-38.32
	α-AMY	U/L	95.95	9.60	67.17-124.74
Roche cobas c701	ALB	g/L	34.20	3.42	23.94-44.46
	α-AMY	U/L	93.50	9.35	65.45-121.55
	Ca	mmol/L	2.40	0.24	1.68-3.12
	CHE	U/L	5650	565.00	3955-7345
	CK	U/L	184.50	18.45	129.15-239.85
	CL	mmol/L	90.00	9.00	63-117
	Cre	μmol/L	154.00	15.40	107.8-200.2
	DBIL	μmol/L	22.51	2.25	15.76-29.26
	GLU	mmol/L	5.01	0.50	3.51-6.51

Instrument	Analyte	Unit	Clinical Chemistry Control Level2		
			Target	SD	Range
Roche cobas c701	HDL-C	mmol/L	0.73	0.07	0.51-0.95
	K	mmol/L	3.88	0.39	2.72-5.04
	LAC	mmol/L	3.09	0.31	2.16-4.02
	LDH	U/L	198.00	19.80	138.60-257.40
	LDL-C	mmol/L	2.01	0.20	1.41-2.61
	LPS	U/L	40.75	4.08	28.53-52.98
	Mg	mmol/L	0.95	0.10	0.67-1.24
	Na	mmol/L	139.00	13.90	97.30-180.70
	P	mmol/L	1.23	0.12	0.86-1.60
	TBIL	μmol/L	45.15	4.52	31.61-58.70
	TC	mmol/L	3.33	0.33	2.33-4.33
	TG	mmol/L	1.40	0.14	0.98-1.82
	TP	g/L	50.61	5.06	35.43-65.79
	UA	μmol/L	360.00	36.00	252.00-468.00
	Urea	mmol/L	13.60	1.36	9.52-17.68

Remark: The range printed in the assigned value table should only be considered as a reference and it is recommended that each laboratory establish its own mean and acceptable ranges.