

Clinical Chemistry Control– Level 1

Assignment of values (**REF** BYZKD0103 **LOT** 03H1102)

Instrument	Analyte	Unit	Clinical Chemistry Control Level1		
			Target	SD	Range
Toshiba TBA-120FR/TBA-FX8	ADA	U/L	17.80	1.81	12.38-23.22
	ALB	g/L	25.08	2.31	18.14-32.02
	ALP	U/L	75.33	6.82	54.86-95.80
	ALT	U/L	29.25	2.81	20.82-37.68
	α-AMY	U/L	38.72	3.51	28.18-49.26
	AST	U/L	37.33	3.45	26.98-47.68
	Ca	mmol/L	1.85	0.17	1.34-2.36
	CHE	U/L	4477	403.00	3269-5684
	CK	U/L	100.84	9.46	72.46-129.22
	CL	mmol/L	78.18	6.67	58.16-98.20
	Cre	μmol/L	83.95	7.87	60.35-107.55
	Cu	μmol/L	9.93	0.98	7.00-12.86
	DBIL	μmol/L	10.38	1.03	7.30-13.46
	Fe	μmol/L	13.69	1.24	9.97-17.41
	GLU	mmol/L	3.75	0.37	2.65-4.85
	GGT	U/L	37.23	3.22	27.57-46.89
	Li	mmol/L	1.34	0.13	0.96-1.72
	HBDH	U/L	105.48	9.94	75.67-135.29
	HDL-C	mmol/L	0.91	0.08	0.66-1.16
	K	mmol/L	3.14	0.27	2.33-3.95
	LAC	mmol/L	1.59	0.14	1.16-2.02
	LDH	U/L	122.81	12.16	86.33-159.29
	LDL-C	mmol/L	1.37	0.14	0.95-1.79
	LPS	U/L	26.68	2.45	19.33-34.03
	Mg	mmol/L	0.82	0.08	0.58-1.06
	Na	mmol/L	137.52	11.04	104.40-170.64
	P	mmol/L	0.84	0.08	0.60-1.08
	P-AMY	U/L	24.91	2.52	17.34-32.48
	TBA	μmol/L	11.71	1.12	8.34-15.08
	TBIL	μmol/L	20.62	1.92	14.85-26.39
	TC	mmol/L	2.86	0.27	2.05-3.67

Instrument	Analyte	Unit	Clinical Chemistry Control Level1		
			Target	SD	Range
Toshiba TBA-120FR/TBA-FX8	TG	mmol/L	1.01	0.09	0.73-1.29
	TIBC	μmol/L	33.67	3.15	24.21-43.13
	TP	g/L	37.99	3.54	27.38-48.60
	UA	μmol/L	201.64	18.82	145.18-258.10
	Urea	mmol/L	5.40	0.53	3.82-6.98
	Zn	μmol/L	18.89	1.83	13.39-24.39
	5'-NT	U/L	11.57	1.07	8.35-14.79
Beckman Coulter AU680	ADA	U/L	12.80	1.21	9.18-16.43
	ALB	g/L	25.42	2.33	18.44-32.40
	ALP	U/L	83.03	7.74	59.80-106.26
	ALT	U/L	29.19	2.81	20.77-37.60
	α-AMY	U/L	43.61	4.17	31.11-56.11
	AST	U/L	37.50	3.41	27.27-47.73
	Ca	mmol/L	1.81	0.16	1.32-2.30
	CHE	U/L	4313	390.00	3142-5484
	CK	U/L	101.96	9.72	72.79-131.13
	CL	mmol/L	87.89	7.94	64.07-111.71
	Cre	μmol/L	74.49	7.36	52.42-96.55
	Cu	μmol/L	10.61	0.97	7.69-13.53
	DBIL	μmol/L	15.05	1.44	10.72-19.38
	Fe	μmol/L	14.41	1.53	9.82-19.00
	GLU	mmol/L	3.43	0.31	2.49-4.37
	GGT	U/L	37.42	3.37	27.32-47.52
	HBDH	U/L	100.45	10.00	70.44-130.46
	HDL-C	mmol/L	0.87	0.08	0.63-1.10
	K	mmol/L	3.06	0.28	2.24-3.89
	LAC	mmol/L	1.68	0.17	1.18-2.17
	LDH	U/L	112.34	10.48	80.91-143.77
	LDL-C	mmol/L	1.36	0.13	0.98-1.74
	LPS	U/L	25.08	2.40	17.87-32.28
	Mg	mmol/L	0.74	0.07	0.54-0.94
	Na	mmol/L	134.03	13.23	94.33-173.73
	P-AMY	U/L	21.87	2.12	15.52-28.22
	P	mmol/L	0.86	0.09	0.61-1.12
	TBA	μmol/L	12.25	1.20	8.67-15.84
	TBIL	μmol/L	21.59	2.15	15.14-28.03
	TC	mmol/L	2.72	0.25	1.97-3.48
	TG	mmol/L	1.15	0.11	0.81-1.50

Instrument	Analyte	Unit	Clinical Chemistry Control Level1		
			Target	SD	Range
Beckman Coulter AU680	TIBC	μmol/L	35.51	3.33	25.52-45.51
	TP	g/L	39.54	3.53	28.96-50.12
	Urea	mmol/L	5.18	0.45	3.82-6.54
	UA	μmol/L	226.07	20.69	164.00-288.13
	Zn	μmol/L	21.23	2.08	14.99-27.47
	5'-NT	U/L	11.95	1.13	8.55-15.35
Beckman Coulter AU5800	ADA	U/L	17.70	1.77	12.39-23.01
	ALB	g/L	26.65	2.67	18.66-34.65
	ALP	U/L	91.00	9.10	63.70-118.30
	ALT	U/L	29.25	2.93	20.48-38.03
	α-AMY	U/L	46.00	4.60	32.20-59.80
	AST	U/L	42.75	4.28	29.93-55.58
	Ca	mmol/L	1.84	0.18	1.29-2.39
	CHE	U/L	4250	425.00	2975-5525
	CK	U/L	73.50	7.35	51.45-95.55
	CL	mmol/L	78.25	7.83	54.78-101.73
	Cre	μmol/L	83.50	8.35	58.45-108.55
	Cu	μmol/L	8.48	0.85	5.94-11.02
	DBIL	μmol/L	12.95	1.30	9.07-16.84
	Fe	μmol/L	14.10	1.41	9.87-18.33
	GGT	U/L	38.50	3.85	26.95-50.05
	GLU	mmol/L	3.57	0.36	2.50-4.64
	HBDH	U/L	86.50	8.65	60.55-112.45
	HDL-C	mmol/L	0.68	0.07	0.48-0.88
	K	mmol/L	3.10	0.31	2.17-4.03
	LDH	U/L	107.50	10.75	75.25-139.75
	LDL-C	mmol/L	1.52	0.15	1.06-1.98
	Mg	mmol/L	0.76	0.08	0.53-0.99
	Na	mmol/L	132.25	13.23	92.58-171.93
	P	mmol/L	0.84	0.08	0.59-1.09
	TBA	μmol/L	9.70	0.97	6.79-12.61
	TBIL	μmol/L	24.35	2.44	17.05-31.66
	TC	mmol/L	2.85	0.29	2.00-3.71
	TG	mmol/L	1.05	0.11	0.74-1.37
	TP	g/L	38.95	3.90	27.27-50.64
	UA	μmol/L	212.50	21.25	148.75-276.25
	Urea	mmol/L	5.03	0.50	3.52-6.54

Instrument	Analyte	Unit	Clinical Chemistry Control Level1		
			Target	SD	Range
Mindray BS-2800	ALB	g/L	24.90	2.49	17.43-32.37
	ALP	U/L	83.80	8.38	58.66-108.94
	ALT	U/L	28.80	2.88	20.16-37.44
	α -AMY	U/L	43.70	4.37	30.59-56.81
	AST	U/L	43.80	4.38	30.66-56.94
	Ca	mmol/L	1.74	0.17	1.22-2.26
	CHE	U/L	4206	420.60	2944-5468
	CK	U/L	74.00	7.40	51.80-96.20
	CL	mmol/L	77.80	7.78	54.46-101.14
	Cre	μ mol/L	78.10	7.81	54.67-101.53
	DBIL	μ mol/L	/	/	/
	Fe	μ mol/L	14.30	1.43	10.01-18.59
	GGT	U/L	35.20	3.52	24.64-45.76
	GLU	mmol/L	3.49	0.35	2.44-4.54
	HBDH	U/L	109.90	10.99	76.93-142.87
	HDL-C	mmol/L	0.64	0.06	0.45-0.83
	K	mmol/L	3.07	0.31	2.15-3.99
	LDH	U/L	116.50	11.65	81.55-151.45
	LDL-C	mmol/L	1.36	0.14	0.95-1.77
	LPS	U/L	26.41	2.64	18.49-34.33
	Mg	mmol/L	0.79	0.08	0.55-1.03
	Na	mmol/L	131.4	13.14	91.98-170.82
	P	mmol/L	0.83	0.08	0.58-1.08
	TBA	μ mol/L	8.30	0.83	5.81-10.79
	TBIL	μ mol/L	/	/	/
	TC	mmol/L	2.45	0.25	1.72-3.19
	TG	mmol/L	1.04	0.10	0.73-1.35
	TP	g/L	37.50	3.75	26.25-48.75
	UA	μ mol/L	196.10	19.61	137.27-254.93
	Urea	mmol/L	5.30	0.53	3.71-6.89
AutoChem B2000	5'-NT	U/L	13.10	1.31	9.17-17.03
	ADA	U/L	19.10	1.91	13.37-24.83
	ALB	g/L	25.86	2.59	18.10-33.62
	ALP	U/L	80.70	8.07	56.49-104.91
	ALT	U/L	30.05	3.01	21.04-39.07
	α -AMY	U/L	38.85	3.89	27.20-50.51
	AST	U/L	38.80	3.88	27.16-50.44
	Ca	mmol/L	1.87	0.19	1.31-2.43

Instrument	Analyte	Unit	Clinical Chemistry Control Level1		
			Target	SD	Range
AutoChem B2000	CHE	U/L	4561	456.00	3193-5929
	CK	U/L	103.95	10.40	72.77-135.14
	CL	mmol/L	77.55	7.76	54.29-100.82
	Cre	μmol/L	85.75	8.58	60.03-111.48
	Cu	μmol/L	8.94	0.89	6.26-11.62
	DBIL	μmol/L	11.15	1.12	7.81-14.50
	Fe	μmol/L	14.23	1.42	9.96-18.50
	GLU	mmol/L	3.66	0.37	2.56-4.76
	GGT	U/L	38.57	3.86	27.00-50.14
	HBDH	U/L	111.30	11.13	77.91-144.69
	HDL-C	mmol/L	0.92	0.09	0.64-1.20
	K	mmol/L	3.12	0.31	2.18-4.06
	LAC	mmol/L	1.54	0.15	1.08-2.00
	LDH	U/L	120.35	12.04	84.25-156.46
	LDL-C	mmol/L	1.43	0.14	1.00-1.86
	LPS	U/L	25.85	2.59	18.10-33.61
	Mg	mmol/L	0.81	0.08	0.57-1.05
	Na	mmol/L	135.75	13.58	95.03-176.48
	P	mmol/L	0.91	0.09	0.64-1.18
	P-AMY	U/L	25.60	2.56	17.92-33.28
	TBA	μmol/L	10.96	1.10	7.67-14.25
	TBIL	μmol/L	20.94	2.09	14.66-27.22
	TC	mmol/L	2.85	0.29	2.00-3.71
	TG	mmol/L	1.00	0.10	0.70-1.30
	TIBC	μmol/L	34.07	3.41	23.85-44.29
	TP	g/L	41.52	4.15	29.06-53.98
	UA	μmol/L	204.35	20.44	143.05-265.66
	Urea	mmol/L	5.44	0.54	3.81-7.07
	Zn	μmol/L	16.91	1.69	11.84-21.98
Roche cobas c701	ALB	g/L	25.40	2.54	17.78-33.02
	α-AMY	U/L	41.00	4.10	28.70-53.30
	Ca	mmol/L	1.72	0.17	1.20-2.24
	CHE	U/L	4150	415.00	2905-5395
	CK	U/L	92.00	9.20	64.40-119.6 0
	CL	mmol/L	75.00	7.50	52.50-97.5 0
	Cre	μmol/L	81.00	8.10	56.70-105.30
	DBIL	μmol/L	10.05	1.01	7.04-13.07
	GLU	mmol/L	3.27	0.33	2.29-4.25

Instrument	Analyte	Unit	Clinical Chemistry Control Level1		
			Target	SD	Range
Roche cobas c701	HDL-C	mmol/L	0.57	0.06	0.40-0.74
	K	mmol/L	3.05	0.31	2.14-3.97
	LAC	mmol/L	1.33	0.13	0.93-1.73
	LDH	U/L	117.00	11.70	81.90-152.10
	LDL-C	mmol/L	1.47	0.15	1.03-1.91
	LPS	U/L	20.95	2.10	14.67-27.24
	Mg	mmol/L	0.76	0.08	0.53-0.99
	Na	mmol/L	130.00	13.00	91.00-169.00
	P	mmol/L	0.77	0.08	0.54-1.00
	TBIL	μmol/L	19.81	1.98	13.87-25.75
	TC	mmol/L	2.46	0.25	1.72-3.20
	TG	mmol/L	0.93	0.09	0.65-1.21
	TP	g/L	36.70	3.67	25.69-47.71
	UA	μmol/L	207.00	20.70	144.90-269.10
	Urea	mmol/L	4.60	0.46	3.22-5.98

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.