Value sheet of Mindray BS Measurement System

Русский: Таблица результатов для системы BS компании Mindray
Português : Planilha de valores do Sistema de Medição BS da Mindray
Español : Hoja de valores del sistema de medición Mindray BS
Italiano : Scheda dei valori del sistema di misurazione BS di Mindray
Türkçe : Mindray BS Ölçüm Sistemi'nin değer sayfası

We have updated the control value for new version Crea and ApoB reagent. Please select the corresponding value and update.

The data of each group is same.
Português : A dados de cada grupo é a mesma.
Italiano : la dati di ogni gruppo è la stessa.

1.**BS-120:** BS-120, BS-130;
2.**BS-180:** BS-180, BS-190;
3.**BS-200:** BS-200, BS-220;
4.**BS-200E:** BS-200E, BS-220E;
5.**BS-230:** BS-230, BS-240, BS-240VET;
6.**BS-240E:** BS240E, BS240Pro;
7.**BS-300:** BS-300, BS-320;
8.**BS-330:** BS-330, BS-350;
9.**BS-330E:BS-330E(Serial Number starts with "XQ-"), BS-350E(Serial Number starts with "XS-");**

Русский: Данные совпадают во всех группах.
Español : la datos de cada grupo es la misma.
Türkçe : her grubun veri aynıdır.

10.**BS-360E:** BS-360E, BS-370E, BS-350S, BS-360S, **BS-330E(V35.00)(Serial Number starts with "W8-" and software version starts with "35.00"), BS-350E(V35.00) (Serial Number starts with"W9-" and software version starts with "35.00");**
11.**BS-380:** BS-380, BS-390;
12.**BS-400:** BS-400, BS-420;
13.**BS-430:** BS-430, BS-450, BS-460;
14.**BS-480:** BS-480, BS-490;
15.**BS-600:** BS-600, BS-620;
16.**BS-600M**: BS-600M;
17.**BS-620M**: BS-620M;
18.**BS-800:** BS-800, BS-820, BS-800M, BS-820M, BS-1800, BS-1800plus;
19.**BS-2000:** BS-2000, BS-2200, BS-2000M, BS-2200M;
20.**BS-2800M**: BS-2600M.

LOT: 059322011 **: 2024-09-29**

English	Abbreviated name	Model	Unit	Assay Value	Range (Assay Value±3SD)
Русский	сокращенное наименование	модель	Прибор	Результат анализа	Диапазон (результат анализа ± 3СО)
Português	Nome abreviado	Modelo	Unidade	Valores da análise	Faixa (Valores da análise ±3SD)
Español	nombre abreviado	modelo	Unidad	Valor de ensayo	Rango (Valor de ensayo ±3SD)
Italiano	abbreviazione	modelli	Unità	Valori di dosaggio	Intervallo (valore di concentrazione ±3 DS)
Türkçe	kısaltılmış ad	model	Ünite	Tayin Değeri	Aralık (Tayin Değeri±3SD)

	ALB	ALP	ALT	α-AMY	AST
English	Albumin	Alkaline Phosphatase	Alanine Aminotransferase	α-Amylase	Aspartate Aminotransferase
Русский	Альбумин	Щелочная фосфатаза	Аланинаминотрансфераза	Альфа-амилаза	Аспартатаминотрансфераза
Português	Albumina	Fosfatáse Alcalina	Alanina Aminotransferase	α-Amilase	Aspartato Aminotransferase
Español	Albúmina	Fosfatasa alcalina	Alanina aminotransferasa	α-amilasa	Aspartato aminotransferasa
Italiano	Albumina	Fosfatasi alcalina	Alanina aminotransferasi	α-amilasi	Aspartato aminotransferasi
Türkçe	Albümin	Alkalin Fosfataz	Alanin Aminotransferaz	α-Amilaz	Aspartat Aminotransferaz

	Bil-D	Bil-T	Ca	TC	HDL-C
English	Direct Bilirubin	Total Bilirubin	Calcium	Total Cholesterol	HDL-Cholesterol
Русский	Прямой билирубин	Общий билирубин	Кальций	Общий холестерин	Холестерин ЛПВП
Português	Bilirrubina Direta	Bilirrubina Total	Cálcio	Colesterol Total	Colesterol HDL
Español	Bilirrubina directa	Bilirrubina total	Calcio	Colesterol total	Colesterol HDL
Italiano	Bilirubina diretta	Bilirubina totale	Calcio	Colesterolo totale	Colesterolo HDL
Türkçe	Direkt Bilirubin	Total Bilirubin	Kalsiyum	Total Kolesterol	HDL-Kolesterol

	LDL-C	CK	CK-MB	Crea	GLU
English	LDL-Cholesterol	Creatine Kinase	Creatine Kinase-MB	Creatinine	Glucose
Русский	Холестерин ЛПНП	Креатинкиназа	МВ фракцию креатинкиназы	Креатинин	Глюкоза
Português	Colesterol LDL	Creatina Quinase	creatina quinase-MB	Creatinina	Glicose
Español	Colesterol LDL	Creatina quinasa	creatina quinasa-MB	Creatinina	Glucosa
Italiano	Colesterolo LDL	Creatina chinase	creatina chinasi-MB	Creatinina	Glucosio
Türkçe	LDL-Kolesterol	Kreatin Kinaz	Kreatin Kinaz-MB	Kreatinin	Glukoz

	GGT	α-HBDH	ApoA1	ApoB	C3
English	Gamma–Glutamyltransferase	α-Hydroxybutyrate Dehydrogenase	Apolipoprotein A1	Apolipoprotein B	Complement C3
Русский	Гамма-глутамилтрансфераза	α-гидроксибутиратдегидрогеназа	Аполипопротеин A1	Аполипопротеин B	Комплемент C3
Português	Gama Glutamil Transferase	α-Hidroxibutirato Desidrogenase	Apolipoproteína A1	Apolipoproteína B	complemento C3

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Español	Gamma–Glutamiltransferasa	α-hidroxibutirato deshidrogenasa	Apolipoproteína A1	Apolipoproteína B	complemento C3
Italiano	Gamma–glutamiltransferasi	α-idrossibutirrato deidrogenasi	Apolipoproteina A1	Apolipoproteina B	complemento C3
Türkçe	Gama–Glutamiltransferaz	α-Hidroksibütirat Dehidrogenaz	Apolipoprotein A1	Apolipoprotein B	Kompleman C3
	C4	**CRP**	**IgA**	**IgG**	**IgM**
English	Complement C4	C- Reactive protein	Immunoglobulin A	Immunoglobulin G	Immunoglobulin M
Русский	Комплемент C4	С-реактивный белок	Иммуноглобулин A	Иммуноглобулин G	Иммуноглобулин M
Português	complemento C4	proteína C-reativa	Imunoglobulina A	Imunoglobulina G	Imunoglobulina M
Español	complemento C4	proteína C reactiva	Inmunoglobulina A	Inmunoglobulina G	Inmunoglobulina M
Italiano	complemento C4	proteina C-reattiva	Immunoglobulina A	Immunoglobulina G	Immunoglobulina M
Türkçe	Kompleman C4	C-Reaktif proteini	İmmünoglobulin A	İmmünoglobulin G	İmmünoglobulin M
	PA	**LDH**	**Mg**	**P**	**TP**
English	Prealbumin	Lactate Dehydrogenase	Magnesium	Phosphorus	Total Protein
Русский	преальбумина	Лактатдегидрогеназа	Магний	Фосфор	Общий белок
Português	pré-albumina	Lactato Desidrogenase	Magnésio	Fósforo	Proteína Total
Español	Prealbúmina	Lactato deshidrogenasa	Magnesio	Fósforo	Proteínas totales
Italiano	prealbumina	Lattato deidrogenasi	Magnesio	Fosforo	Proteina totale
Türkçe	Prealbümin	Laktat Dehidrogenaz	Magnezyum	Fosfor	Total Protein
	TG	**UA**	**Urea**	**LIP**	**CHE**
English	Triglycerides	Uric Acid	Urea	Lipase	Cholinesterase
Русский	Триглицериды	Мочевая кислота	Мочевина	Липаза	Холинэстераза
Português	Triglicerídeos	Ácido Úrico	Ureia	Lipase	Colinesterase
Español	Triglicéridos	Ácido úrico	Urea	Lipasa	Colinesterasa
Italiano	Trigliceridi	Acido urico	Urea	Lipasi	Colinesterasi
Türkçe	Trigliseritler	Ürik Asit	Üre	Lipaz	Kolinesteraz

	Fe	**UIBC**	**ASO**	**FER**	**TRF**
English	Iron	Unsaturated Iron Binding Capacity	Antistreptolysin "O"	Ferritin	Transferrin
Русский	Железо	ненасыщенная железосвязывающая способность	антистрептолизина О	ферритина	трансферрина
Português	Ferro	Capacidade de ligação de ferro insaturado	Antiestreptolisina "O"	Ferritina	Transferrina
Español	Hierro	Capacidad de unión de hierro no saturado	antiestreptolisina "O"	Ferritina	Transferrina
Italiano	Ferro	Capacità di legame del ferro insaturo	Anti-Streptolisina "O"	Ferritina	Transferrina
Türkçe	Demir	Unsature Demir Bağlama Kapasitesi	Antistreptolisin "O"	Ferritin	Transferin

	Na^+	**K^+**	**Cl^-**
English	Sodium	Patassium	Chlorine
Русский	Натрий	Калий	Хлориды
Português	Sódio	Potássio	Cloro
Español	Sodio	Potasio	Cloro
Italiano	Sodio	Potassio	Cloro
Türkçe	Sodyum	Potasyum	Klor

Abbreviated name	Model	Unit	Assay Value	Range(Assay Value±3SD)	1 SD	Model	Unit	Assay Value	Range(Assay Value±3SD)	1 SD
ALB II	**BS-120** [1]	g/L	31.9	27.1 — 36.7	1.6	**BS-380** [11]	g/L	31.9	27.1 — 36.7	1.6
		μmol/L	485	412 — 558	24		μmol/L	485	412 — 558	24
	BS-180 [2]	g/L	31.9	27.1 — 36.7	1.6	**BS-400** [12]	g/L	31.5	26.8 — 36.2	1.6
		μmol/L	485	412 — 558	24		μmol/L	479	407 — 550	24
	BS-200 [3]	g/L	31.9	27.1 — 36.7	1.6	**BS-430** [13]	g/L	31.6	26.9 — 36.3	1.6
		μmol/L	485	412 — 558	24		μmol/L	480	409 — 552	24
	BS-200E [4]	g/L	31.9	27.1 — 36.7	1.6	**BS-480** [14]	g/L	32.0	27.2 — 36.8	1.6
		μmol/L	485	412 — 558	24		μmol/L	486	413 — 559	24
	BS-230 [5]	g/L	31.4	26.7 — 36.1	1.6	**BS-600** [15]	g/L	31.8	27.0 — 36.6	1.6
		μmol/L	477	406 — 549	24		μmol/L	483	410 — 556	24
	BS-240E [6]	g/L	31.9	27.1 — 36.7	1.6	**BS-600M** [16]	g/L	32.2	27.4 — 37.0	1.6
		μmol/L	485	412 — 558	24		μmol/L	489	416 — 562	24
	BS-300 [7]	g/L	31.8	27.0 — 36.6	1.6	**BS-620M** [17]	g/L	32.2	27.4 — 37.0	1.6
		μmol/L	483	410 — 556	24		μmol/L	489	416 — 562	24
	BS-330 [8]	g/L	31.9	27.1 — 36.7	1.6	**BS-800** [18]	g/L	32.5	27.6 — 37.4	1.6
		μmol/L	485	412 — 558	24		μmol/L	494	420 — 568	24
	BS-330E [9]	g/L	31.9	27.1 — 36.7	1.6	**BS-2000** [19]	g/L	32.1	27.3 — 36.9	1.6
		μmol/L	485	412 — 558	24		μmol/L	488	415 — 561	24
	BS-360E [10]	g/L	31.5	26.8 — 36.2	1.6	**BS-2800M** [20]	g/L	32.2	27.4 — 37.0	1.6
		μmol/L	479	407 — 550	24		μmol/L	489	416 — 562	24

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ClinChem Multi Control (Level 1) *Please note the target value change

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Abbreviated name	Model	Unit	Assay Value	Range(Assay Value±3SD)	1 SD	Model	Unit	Assay Value	Range(Assay Value±3SD)	1 SD
ALP	BS-120 [1]	U/L	97.6	83.0 — 112.2	4.9	BS-380 [11]	U/L	99.1	84.2 — 114.0	5.0
		μkat/L	1.63	1.39 — 1.87	0.08		μkat/L	1.65	1.41 — 1.90	0.08
	BS-180 [2]	U/L	97.6	83.0 — 112.2	4.9	BS-400 [12]	U/L	99.1	84.2 — 114.0	5.0
		μkat/L	1.63	1.39 — 1.87	0.08		μkat/L	1.65	1.41 — 1.90	0.08
	BS-200 [3]	U/L	97.8	83.1 — 112.5	4.9	BS-430 [13]	U/L	101	86 — 116	5
		μkat/L	1.63	1.39 — 1.88	0.08		μkat/L	1.69	1.44 — 1.94	0.08
	BS-200E [4]	U/L	101	86 — 116	5	BS-480 [14]	U/L	99.9	84.9 — 114.9	5.0
		μkat/L	1.69	1.44 — 1.94	0.08		μkat/L	1.67	1.42 — 1.92	0.08
	BS-230 [5]	U/L	95.4	81.1 — 109.7	4.8	BS-600 [15]	U/L	99.1	84.2 — 114.0	5.0
		μkat/L	1.59	1.35 — 1.83	0.08		μkat/L	1.65	1.41 — 1.90	0.08
	BS-240E [6]	U/L	100	85 — 115	5	BS-600M [16]	U/L	102	87 — 117	5
		μkat/L	1.67	1.42 — 1.92	0.08		μkat/L	1.70	1.45 — 1.95	0.08
	BS-300 [7]	U/L	100	85 — 115	5	BS-620M [17]	U/L	102	87 — 117	5
		μkat/L	1.67	1.42 — 1.92	0.08		μkat/L	1.70	1.45 — 1.95	0.08
	BS-330 [8]	U/L	97.8	83.1 — 112.5	4.9	BS-800 [18]	U/L	99.1	84.2 — 114.0	5.0
		μkat/L	1.63	1.39 — 1.88	0.08		μkat/L	1.65	1.41 — 1.90	0.08
	BS-330E [9]	U/L	101	86 — 116	5	BS-2000 [19]	U/L	99.9	84.9 — 114.9	5.0
		μkat/L	1.69	1.44 — 1.94	0.08		μkat/L	1.67	1.42 — 1.92	0.08
	BS-360E [10]	U/L	99.5	84.6 — 114.4	5.0	BS-2800M [20]	U/L	102	87 — 117	5
		μkat/L	1.66	1.41 — 1.91	0.08		μkat/L	1.70	1.45 — 1.95	0.08
ALT	BS-120 [1]	U/L	63.5	54.0 — 73.0	3.2	BS-380 [11]	U/L	64.0	54.4 — 73.6	3.2
		μkat/L	1.06	0.90 — 1.22	0.05		μkat/L	1.07	0.91 — 1.23	0.05
	BS-180 [2]	U/L	63.5	54.0 — 73.0	3.2	BS-400 [12]	U/L	64.0	54.4 — 73.6	3.2
		μkat/L	1.06	0.90 — 1.22	0.05		μkat/L	1.07	0.91 — 1.23	0.05
	BS-200 [3]	U/L	63.5	54.0 — 73.0	3.2	BS-430 [13]	U/L	63.1	53.6 — 72.6	3.2
		μkat/L	1.06	0.90 — 1.22	0.05		μkat/L	1.05	0.90 — 1.21	0.05
	BS-200E [4]	U/L	63.7	54.1 — 73.3	3.2	BS-480 [14]	U/L	63.9	54.3 — 73.5	3.2
		μkat/L	1.06	0.90 — 1.22	0.05		μkat/L	1.07	0.91 — 1.23	0.05
	BS-230 [5]	U/L	62.5	53.1 — 71.9	3.1	BS-600 [15]	U/L	63.1	53.6 — 72.6	3.2
		μkat/L	1.04	0.89 — 1.20	0.05		μkat/L	1.05	0.90 — 1.21	0.05
	BS-240E [6]	U/L	62.9	53.5 — 72.3	3.1	BS-600M [16]	U/L	63.9	54.3 — 73.5	3.2
		μkat/L	1.05	0.89 — 1.21	0.05		μkat/L	1.07	0.91 — 1.23	0.05
	BS-300 [7]	U/L	62.2	52.9 — 71.5	3.1	BS-620M [17]	U/L	63.9	54.3 — 73.5	3.2
		μkat/L	1.04	0.88 — 1.19	0.05		μkat/L	1.07	0.91 — 1.23	0.05
	BS-330 [8]	U/L	63.5	54.0 — 73.0	3.2	BS-800 [18]	U/L	63.1	53.6 — 72.6	3.2
		μkat/L	1.06	0.90 — 1.22	0.05		μkat/L	1.05	0.90 — 1.21	0.05
	BS-330E [9]	U/L	63.7	54.1 — 73.3	3.2	BS-2000 [19]	U/L	63.3	53.8 — 72.8	3.2
		μkat/L	1.06	0.90 — 1.22	0.05		μkat/L	1.06	0.90 — 1.22	0.05
	BS-360E [10]	U/L	62.9	53.5 — 72.3	3.1	BS-2800M [20]	U/L	63.9	54.3 — 73.5	3.2
		μkat/L	1.05	0.89 — 1.21	0.05		μkat/L	1.07	0.91 — 1.23	0.05
α-AMY	BS-120 [1]	U/L	82.7	70.3 — 95.1	4.1	BS-380 [11]	U/L	82.9	70.5 — 95.3	4.1
		μkat/L	1.38	1.17 — 1.59	0.07		μkat/L	1.38	1.18 — 1.59	0.07
	BS-180 [2]	U/L	82.7	70.3 — 95.1	4.1	BS-400 [12]	U/L	82.9	70.5 — 95.3	4.1
		μkat/L	1.38	1.17 — 1.59	0.07		μkat/L	1.38	1.18 — 1.59	0.07
	BS-200 [3]	U/L	82.8	70.4 — 95.2	4.1	BS-430 [13]	U/L	83.4	70.9 — 95.9	4.2
		μkat/L	1.38	1.18 — 1.59	0.07		μkat/L	1.39	1.18 — 1.60	0.07
	BS-200E [4]	U/L	80.6	68.5 — 92.7	4.0	BS-480 [14]	U/L	83.3	70.8 — 95.8	4.2
		μkat/L	1.35	1.14 — 1.55	0.07		μkat/L	1.39	1.18 — 1.60	0.07
	BS-230 [5]	U/L	83.6	71.1 — 96.1	4.2	BS-600 [15]	U/L	83.5	71.0 — 96.0	4.2
		μkat/L	1.40	1.19 — 1.60	0.07		μkat/L	1.39	1.19 — 1.60	0.07
	BS-240E [6]	U/L	82.3	70.0 — 94.6	4.1	BS-600M [16]	U/L	83.4	70.9 — 95.9	4.2
		μkat/L	1.37	1.17 — 1.58	0.07		μkat/L	1.39	1.18 — 1.60	0.07
	BS-300 [7]	U/L	84.2	71.6 — 96.8	4.2	BS-620M [17]	U/L	83.4	70.9 — 95.9	4.2
		μkat/L	1.41	1.20 — 1.62	0.07		μkat/L	1.39	1.18 — 1.60	0.07
	BS-330 [8]	U/L	82.8	70.4 — 95.2	4.1	BS-800 [18]	U/L	83.3	70.8 — 95.8	4.2
		μkat/L	1.38	1.18 — 1.59	0.07		μkat/L	1.39	1.18 — 1.60	0.07
	BS-330E [9]	U/L	80.6	68.5 — 92.7	4.0	BS-2000 [19]	U/L	84.1	71.5 — 96.7	4.2
		μkat/L	1.35	1.14 — 1.55	0.07		μkat/L	1.40	1.19 — 1.61	0.07
	BS-360E [10]	U/L	83.7	71.1 — 96.3	4.2	BS-2800M [20]	U/L	83.4	70.9 — 95.9	4.2
		μkat/L	1.40	1.19 — 1.61	0.07		μkat/L	1.39	1.18 — 1.60	0.07

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Abbreviated name	Model	Unit	Assay Value	Range(Assay Value±3SD)			1 SD	Model	Unit	Assay Value	Range(Assay Value±3SD)			1 SD
AST	BS-120 [1]	U/L	49.9	42.4	—	57.4	2.5	BS-380 [11]	U/L	50.1	42.6	—	57.6	2.5
		μkat/L	0.833	0.708	—	0.959	0.042		μkat/L	0.837	0.711	—	0.962	0.042
	BS-180 [2]	U/L	49.9	42.4	—	57.4	2.5	BS-400 [12]	U/L	50.1	42.6	—	57.6	2.5
		μkat/L	0.833	0.708	—	0.959	0.042		μkat/L	0.837	0.711	—	0.962	0.042
	BS-200 [3]	U/L	50.0	42.5	—	57.5	2.5	BS-430 [13]	U/L	51.0	43.4	—	58.7	2.6
		μkat/L	0.835	0.710	—	0.960	0.042		μkat/L	0.852	0.725	—	0.980	0.043
	BS-200E [4]	U/L	50.2	42.7	—	57.7	2.5	BS-480 [14]	U/L	51.0	43.4	—	58.7	2.6
		μkat/L	0.838	0.713	—	0.964	0.042		μkat/L	0.852	0.725	—	0.980	0.043
	BS-230 [5]	U/L	49.2	41.8	—	56.6	2.5	BS-600 [15]	U/L	51.0	43.4	—	58.7	2.6
		μkat/L	0.822	0.698	—	0.945	0.042		μkat/L	0.852	0.725	—	0.980	0.043
	BS-240E [6]	U/L	51.0	43.4	—	58.7	2.6	BS-600M [16]	U/L	49.9	42.4	—	57.4	2.5
		μkat/L	0.852	0.725	—	0.980	0.043		μkat/L	0.833	0.708	—	0.959	0.042
	BS-300 [7]	U/L	50.1	42.6	—	57.6	2.5	BS-620M [17]	U/L	49.9	42.4	—	57.4	2.5
		μkat/L	0.837	0.711	—	0.962	0.042		μkat/L	0.833	0.708	—	0.959	0.042
	BS-330 [8]	U/L	50.0	42.5	—	57.5	2.5	BS-800 [18]	U/L	51.0	43.4	—	58.7	2.6
		μkat/L	0.835	0.710	—	0.960	0.042		μkat/L	0.852	0.725	—	0.980	0.043
	BS-330E [9]	U/L	50.2	42.7	—	57.7	2.5	BS-2000 [19]	U/L	49.8	42.3	—	57.3	2.5
		μkat/L	0.838	0.713	—	0.964	0.042		μkat/L	0.832	0.706	—	0.957	0.042
	BS-360E [10]	U/L	51.0	43.4	—	58.7	2.6	BS-2800M [20]	U/L	49.9	42.4	—	57.4	2.5
		μkat/L	0.852	0.725	—	0.980	0.043		μkat/L	0.833	0.708	—	0.959	0.042
Bil–D (DSA) II	BS-120 [1]	μmol/L	16.9	13.1	—	20.7	1.3	BS-380 [11]	μmol/L	16.9	13.1	—	20.7	1.3
		mg/dL	0.988	0.766	—	1.211	0.076		mg/dL	0.988	0.766	—	1.211	0.076
	BS-180 [2]	μmol/L	16.9	13.1	—	20.7	1.3	BS-400 [12]	μmol/L	16.8	13.0	—	20.6	1.3
		mg/dL	0.988	0.766	—	1.211	0.076		mg/dL	0.982	0.760	—	1.205	0.076
	BS-200 [3]	μmol/L	16.9	13.1	—	20.7	1.3	BS-430 [13]	μmol/L	17.3	13.4	—	21.2	1.3
		mg/dL	0.988	0.766	—	1.211	0.076		mg/dL	1.01	0.78	—	1.24	0.08
	BS-200E [4]	μmol/L	16.9	13.1	—	20.7	1.3	BS-480 [14]	μmol/L	17.1	13.3	—	20.9	1.3
		mg/dL	0.988	0.766	—	1.211	0.076		mg/dL	1.00	0.78	—	1.22	0.08
	BS-230 [5]	μmol/L	17.1	13.3	—	20.9	1.3	BS-600 [15]	μmol/L	16.9	13.1	—	20.7	1.3
		mg/dL	1.00	0.78	—	1.22	0.08		mg/dL	0.988	0.766	—	1.211	0.076
	BS-240E [6]	μmol/L	17.0	13.2	—	20.8	1.3	BS-600M [16]	μmol/L	17.4	13.5	—	21.3	1.3
		mg/dL	0.994	0.772	—	1.216	0.076		mg/dL	1.02	0.79	—	1.25	0.08
	BS-300 [7]	μmol/L	16.9	13.1	—	20.7	1.3	BS-620M [17]	μmol/L	17.4	13.5	—	21.3	1.3
		mg/dL	0.988	0.766	—	1.211	0.076		mg/dL	1.02	0.79	—	1.25	0.08
	BS-330 [8]	μmol/L	16.9	13.1	—	20.7	1.3	BS-800 [18]	μmol/L	17.3	13.4	—	21.2	1.3
		mg/dL	0.988	0.766	—	1.211	0.076		mg/dL	1.01	0.78	—	1.24	0.08
	BS-330E [9]	μmol/L	16.9	13.1	—	20.7	1.3	BS-2000 [19]	μmol/L	17.1	13.3	—	20.9	1.3
		mg/dL	0.988	0.766	—	1.211	0.076		mg/dL	1.00	0.78	—	1.22	0.08
	BS-360E [10]	μmol/L	17.3	13.4	—	21.2	1.3	BS-2800M [20]	μmol/L	17.2	13.3	—	21.1	1.3
		mg/dL	1.01	0.78	—	1.24	0.08		mg/dL	1.01	0.78	—	1.23	0.08
Bil–D (VOX)	BS-120 [1]	μmol/L	10.7	8.3	—	13.1	0.8	BS-380 [11]	μmol/L	10.7	8.3	—	13.1	0.8
		mg/dL	0.626	0.485	—	0.766	0.047		mg/dL	0.626	0.485	—	0.766	0.047
	BS-180 [2]	μmol/L	10.7	8.3	—	13.1	0.8	BS-400 [12]	μmol/L	10.6	8.2	—	13.0	0.8
		mg/dL	0.626	0.485	—	0.766	0.047		mg/dL	0.620	0.480	—	0.760	0.047
	BS-200 [3]	μmol/L	10.6	8.2	—	13.0	0.8	BS-430 [13]	μmol/L	10.6	8.2	—	13.0	0.8
		mg/dL	0.620	0.480	—	0.760	0.047		mg/dL	0.620	0.480	—	0.760	0.047
	BS-200E [4]	μmol/L	11.0	8.5	—	13.5	0.8	BS-480 [14]	μmol/L	10.4	8.1	—	12.7	0.8
		mg/dL	0.643	0.497	—	0.789	0.047		mg/dL	0.608	0.474	—	0.743	0.047
	BS-230 [5]	μmol/L	11.2	8.7	—	13.7	0.8	BS-600 [15]	μmol/L	10.8	8.4	—	13.2	0.8
		mg/dL	0.655	0.509	—	0.801	0.047		mg/dL	0.632	0.491	—	0.772	0.047
	BS-240E [6]	μmol/L	10.5	8.1	—	12.9	0.8	BS-600M [16]	μmol/L	10.9	8.4	—	13.4	0.8
		mg/dL	0.614	0.474	—	0.754	0.047		mg/dL	0.637	0.491	—	0.784	0.047
	BS-300 [7]	μmol/L	10.6	8.2	—	13.0	0.8	BS-620M [17]	μmol/L	10.9	8.4	—	13.4	0.8
		mg/dL	0.620	0.480	—	0.760	0.047		mg/dL	0.637	0.491	—	0.784	0.047
	BS-330 [8]	μmol/L	10.6	8.2	—	13.0	0.8	BS-800 [18]	μmol/L	10.7	8.3	—	13.1	0.8
		mg/dL	0.620	0.480	—	0.760	0.047		mg/dL	0.626	0.485	—	0.766	0.047
	BS-330E [9]	μmol/L	11.0	8.5	—	13.5	0.8	BS-2000 [19]	μmol/L	10.6	8.2	—	13.0	0.8
		mg/dL	0.643	0.497	—	0.789	0.047		mg/dL	0.620	0.480	—	0.760	0.047
	BS-360E [10]	μmol/L	10.5	8.1	—	12.9	0.8	BS-2800M [20]	μmol/L	10.9	8.4	—	13.4	0.8
		mg/dL	0.614	0.474	—	0.754	0.047		mg/dL	0.637	0.491	—	0.784	0.047

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ClinChem Multi Control (Level 1) *Please note the target value change

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Abbreviated name	Model	Unit	Assay Value	Range(Assay Value±3SD)			1 SD	Model	Unit	Assay Value	Range(Assay Value±3SD)			1 SD
Bil–T (DSA) II	BS-120 [1]	μmol/L	18.1	14.0	—	22.2	1.4	BS-380 [11]	μmol/L	17.5	13.6	—	21.4	1.3
		mg/dL	1.06	0.82	—	1.30	0.08		mg/dL	1.02	0.80	—	1.25	0.08
	BS-180 [2]	μmol/L	18.1	14.0	—	22.2	1.4	BS-400 [12]	μmol/L	17.5	13.6	—	21.4	1.3
		mg/dL	1.06	0.82	—	1.30	0.08		mg/dL	1.02	0.80	—	1.25	0.08
	BS-200 [3]	μmol/L	17.1	13.3	—	20.9	1.3	BS-430 [13]	μmol/L	18.4	14.3	—	22.5	1.4
		mg/dL	1.00	0.78	—	1.22	0.08		mg/dL	1.08	0.84	—	1.32	0.08
	BS-200E [4]	μmol/L	17.5	13.6	—	21.4	1.3	BS-480 [14]	μmol/L	17.5	13.6	—	21.4	1.3
		mg/dL	1.02	0.80	—	1.25	0.08		mg/dL	1.02	0.80	—	1.25	0.08
	BS-230 [5]	μmol/L	17.8	13.8	—	21.8	1.3	BS-600 [15]	μmol/L	18.4	14.3	—	22.5	1.4
		mg/dL	1.04	0.81	—	1.27	0.08		mg/dL	1.08	0.84	—	1.32	0.08
	BS-240E [6]	μmol/L	17.3	13.4	—	21.2	1.3	BS-600M [16]	μmol/L	18.4	14.3	—	22.5	1.4
		mg/dL	1.01	0.78	—	1.24	0.08		mg/dL	1.08	0.84	—	1.32	0.08
	BS-300 [7]	μmol/L	17.5	13.6	—	21.4	1.3	BS-620M [17]	μmol/L	18.4	14.3	—	22.5	1.4
		mg/dL	1.02	0.80	—	1.25	0.08		mg/dL	1.08	0.84	—	1.32	0.08
	BS-330 [8]	μmol/L	17.1	13.3	—	20.9	1.3	BS-800 [18]	μmol/L	18.4	14.3	—	22.5	1.4
		mg/dL	1.00	0.78	—	1.22	0.08		mg/dL	1.08	0.84	—	1.32	0.08
	BS-330E [9]	μmol/L	17.5	13.6	—	21.4	1.3	BS-2000 [19]	μmol/L	18.4	14.3	—	22.5	1.4
		mg/dL	1.02	0.80	—	1.25	0.08		mg/dL	1.08	0.84	—	1.32	0.08
	BS-360E [10]	μmol/L	18.4	14.3	—	22.5	1.4	BS-2800M [20]	μmol/L	18.4	14.3	—	22.5	1.4
		mg/dL	1.08	0.84	—	1.32	0.08		mg/dL	1.08	0.84	—	1.32	0.08
Bil-T (VOX)	BS-120 [1]	μmol/L	16.4	12.7	—	20.1	1.2	BS-380 [11]	μmol/L	16.1	12.5	—	19.7	1.2
		mg/dL	0.959	0.743	—	1.175	0.070		mg/dL	0.942	0.731	—	1.152	0.070
	BS-180 [2]	μmol/L	16.4	12.7	—	20.1	1.2	BS-400 [12]	μmol/L	16.1	12.5	—	19.7	1.2
		mg/dL	0.959	0.743	—	1.175	0.070		mg/dL	0.942	0.731	—	1.152	0.070
	BS-200 [3]	μmol/L	16.4	12.7	—	20.1	1.2	BS-430 [13]	μmol/L	16.2	12.6	—	19.8	1.2
		mg/dL	0.959	0.743	—	1.175	0.070		mg/dL	0.947	0.737	—	1.158	0.070
	BS-200E [4]	μmol/L	16.1	12.5	—	19.7	1.2	BS-480 [14]	μmol/L	16.2	12.6	—	19.8	1.2
		mg/dL	0.942	0.731	—	1.152	0.070		mg/dL	0.947	0.737	—	1.158	0.070
	BS-230 [5]	μmol/L	16.4	12.7	—	20.1	1.2	BS-600 [15]	μmol/L	16.2	12.6	—	19.8	1.2
		mg/dL	0.959	0.743	—	1.175	0.070		mg/dL	0.947	0.737	—	1.158	0.070
	BS-240E [6]	μmol/L	16.2	12.6	—	19.8	1.2	BS-600M [16]	μmol/L	16.4	12.7	—	20.1	1.2
		mg/dL	0.947	0.737	—	1.158	0.070		mg/dL	0.959	0.743	—	1.175	0.070
	BS-300 [7]	μmol/L	16.1	12.5	—	19.7	1.2	BS-620M [17]	μmol/L	16.4	12.7	—	20.1	1.2
		mg/dL	0.942	0.731	—	1.152	0.070		mg/dL	0.959	0.743	—	1.175	0.070
	BS-330 [8]	μmol/L	16.4	12.7	—	20.1	1.2	BS-800 [18]	μmol/L	16.2	12.6	—	19.8	1.2
		mg/dL	0.959	0.743	—	1.175	0.070		mg/dL	0.947	0.737	—	1.158	0.070
	BS-330E [9]	μmol/L	16.1	12.5	—	19.7	1.2	BS-2000 [19]	μmol/L	16.3	12.6	—	20.0	1.2
		mg/dL	0.942	0.731	—	1.152	0.070		mg/dL	0.953	0.737	—	1.170	0.070
	BS-360E [10]	μmol/L	16.2	12.6	—	19.8	1.2	BS-2800M [20]	μmol/L	16.4	12.7	—	20.1	1.2
		mg/dL	0.947	0.737	—	1.158	0.070		mg/dL	0.959	0.743	—	1.175	0.070
Ca	BS-120 [1]	mmol/L	2.16	1.91	—	2.41	0.08	BS-380 [11]	mmol/L	2.20	1.95	—	2.45	0.08
		mg/dL	8.66	7.66	—	9.66	0.32		mg/dL	8.82	7.82	—	9.82	0.32
	BS-180 [2]	mmol/L	2.16	1.91	—	2.41	0.08	BS-400 [12]	mmol/L	2.20	1.95	—	2.45	0.08
		mg/dL	8.66	7.66	—	9.66	0.32		mg/dL	8.82	7.82	—	9.82	0.32
	BS-200 [3]	mmol/L	2.14	1.90	—	2.38	0.08	BS-430 [13]	mmol/L	2.17	1.92	—	2.42	0.08
		mg/dL	8.58	7.62	—	9.54	0.32		mg/dL	8.70	7.70	—	9.70	0.32
	BS-200E [4]	mmol/L	2.13	1.89	—	2.37	0.08	BS-480 [14]	mmol/L	2.14	1.90	—	2.38	0.08
		mg/dL	8.54	7.58	—	9.50	0.32		mg/dL	8.58	7.62	—	9.54	0.32
	BS-230 [5]	mmol/L	2.19	1.94	—	2.44	0.08	BS-600 [15]	mmol/L	2.16	1.91	—	2.41	0.08
		mg/dL	8.78	7.78	—	9.78	0.32		mg/dL	8.66	7.66	—	9.66	0.32
	BS-240E [6]	mmol/L	2.12	1.88	—	2.36	0.08	BS-600M [16]	mmol/L	2.15	1.90	—	2.40	0.08
		mg/dL	8.50	7.54	—	9.46	0.32		mg/dL	8.62	7.62	—	9.62	0.32
	BS-300 [7]	mmol/L	2.15	1.90	—	2.40	0.08	BS-620M [17]	mmol/L	2.15	1.90	—	2.40	0.08
		mg/dL	8.62	7.62	—	9.62	0.32		mg/dL	8.62	7.62	—	9.62	0.32
	BS-330 [8]	mmol/L	2.14	1.90	—	2.38	0.08	BS-800 [18]	mmol/L	2.16	1.91	—	2.41	0.08
		mg/dL	8.58	7.62	—	9.54	0.32		mg/dL	8.66	7.66	—	9.66	0.32
	BS-330E [9]	mmol/L	2.13	1.89	—	2.37	0.08	BS-2000 [19]	mmol/L	2.16	1.91	—	2.41	0.08
		mg/dL	8.54	7.58	—	9.50	0.32		mg/dL	8.66	7.66	—	9.66	0.32
	BS-360E [10]	mmol/L	2.15	1.90	—	2.40	0.08	BS-2800M [20]	mmol/L	2.13	1.89	—	2.37	0.08
		mg/dL	8.62	7.62	—	9.62	0.32		mg/dL	8.54	7.58	—	9.50	0.32

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ClinChem Multi Control (Level 1) *Please note the target value change

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Abbreviated name	Model	Unit	Assay Value	Range(Assay Value±3SD)			1 SD	Model	Unit	Assay Value	Range(Assay Value±3SD)			1 SD
TC	BS-120 [1]	mmol/L	2.74	2.37	—	3.11	0.12	BS-380 [11]	mmol/L	2.66	2.30	—	3.02	0.12
		mg/dL	106	92	—	120	5		mg/dL	103	89	—	117	5
	BS-180 [2]	mmol/L	2.74	2.37	—	3.11	0.12	BS-400 [12]	mmol/L	2.66	2.30	—	3.02	0.12
		mg/dL	106	92	—	120	5		mg/dL	103	89	—	117	5
	BS-200 [3]	mmol/L	2.70	2.34	—	3.06	0.12	BS-430 [13]	mmol/L	2.75	2.38	—	3.12	0.12
		mg/dL	104	90	—	118	5		mg/dL	106	92	—	121	5
	BS-200E [4]	mmol/L	2.66	2.30	—	3.02	0.12	BS-480 [14]	mmol/L	2.75	2.38	—	3.12	0.12
		mg/dL	103	89	—	117	5		mg/dL	106	92	—	121	5
	BS-230 [5]	mmol/L	2.77	2.40	—	3.14	0.12	BS-600 [15]	mmol/L	2.75	2.38	—	3.12	0.12
		mg/dL	107	93	—	121	5		mg/dL	106	92	—	121	5
	BS-240E [6]	mmol/L	2.70	2.34	—	3.06	0.12	BS-600M [16]	mmol/L	2.67	2.38	—	3.12	0.12
		mg/dL	104	90	—	118	5		mg/dL	103	92	—	121	5
	BS-300 [7]	mmol/L	2.78	2.40	—	3.16	0.13	BS-620M [17]	mmol/L	2.67	2.31	—	3.03	0.12
		mg/dL	107	93	—	122	5		mg/dL	103	89	—	117	5
	BS-330 [8]	mmol/L	2.70	2.34	—	3.06	0.12	BS-800 [18]	mmol/L	2.75	2.38	—	3.12	0.12
		mg/dL	104	90	—	118	5		mg/dL	106	92	—	121	5
	BS-330E [9]	mmol/L	2.66	2.30	—	3.02	0.12	BS-2000 [19]	mmol/L	2.68	2.32	—	3.04	0.12
		mg/dL	103	89	—	117	5		mg/dL	104	90	—	118	5
	BS-360E [10]	mmol/L	2.69	2.33	—	3.05	0.12	BS-2800M [20]	mmol/L	2.67	2.31	—	3.03	0.12
		mg/dL	104	90	—	118	5		mg/dL	103	89	—	117	5
HDL-C	BS-120 [1]	mmol/L	0.861	0.667	—	1.055	0.065	BS-380 [11]	mmol/L	0.868	0.673	—	1.063	0.065
		mg/dL	33.3	25.8	—	40.8	2.5		mg/dL	33.6	26.0	—	41.1	2.5
	BS-180 [2]	mmol/L	0.861	0.667	—	1.055	0.065	BS-400 [12]	mmol/L	0.869	0.673	—	1.065	0.065
		mg/dL	33.3	25.8	—	40.8	2.5		mg/dL	33.6	26.0	—	41.2	2.5
	BS-200 [3]	mmol/L	0.867	0.672	—	1.062	0.065	BS-430 [13]	mmol/L	0.855	0.663	—	1.047	0.064
		mg/dL	33.5	26.0	—	41.1	2.5		mg/dL	33.1	25.6	—	40.5	2.5
	BS-200E [4]	mmol/L	0.845	0.655	—	1.035	0.063	BS-480 [14]	mmol/L	0.874	0.677	—	1.071	0.066
		mg/dL	32.7	25.3	—	40.0	2.4		mg/dL	33.8	26.2	—	41.4	2.6
	BS-230 [5]	mmol/L	0.832	0.645	—	1.019	0.062	BS-600 [15]	mmol/L	0.879	0.681	—	1.077	0.066
		mg/dL	32.2	24.9	—	39.4	2.4		mg/dL	34.0	26.3	—	41.6	2.6
	BS-240E [6]	mmol/L	0.833	0.646	—	1.020	0.062	BS-600M [16]	mmol/L	0.878	0.680	—	1.076	0.066
		mg/dL	32.2	25.0	—	39.4	2.4		mg/dL	33.9	26.3	—	41.6	2.6
	BS-300 [7]	mmol/L	0.855	0.663	—	1.047	0.064	BS-620M [17]	mmol/L	0.878	0.680	—	1.076	0.066
		mg/dL	33.1	25.6	—	40.5	2.5		mg/dL	33.9	26.3	—	41.6	2.6
	BS-330 [8]	mmol/L	0.867	0.672	—	1.062	0.065	BS-800 [18]	mmol/L	0.872	0.676	—	1.068	0.065
		mg/dL	33.5	26.0	—	41.1	2.5		mg/dL	33.7	26.1	—	41.3	2.5
	BS-330E [9]	mmol/L	0.845	0.655	—	1.035	0.063	BS-2000 [19]	mmol/L	0.890	0.690	—	1.090	0.067
		mg/dL	32.7	25.3	—	40.0	2.4		mg/dL	34.4	26.7	—	42.1	2.6
	BS-360E [10]	mmol/L	0.849	0.658	—	1.040	0.064	BS-2800M [20]	mmol/L	0.857	0.664	—	1.050	0.064
		mg/dL	32.8	25.4	—	40.2	2.5		mg/dL	33.1	25.7	—	40.6	2.5
LDL-C	BS-120 [1]	mmol/L	1.70	1.32	—	2.08	0.13	BS-380 [11]	mmol/L	1.69	1.31	—	2.07	0.13
		mg/dL	65.7	51.0	—	80.4	5.0		mg/dL	65.3	50.6	—	80.0	5.0
	BS-180 [2]	mmol/L	1.70	1.32	—	2.08	0.13	BS-400 [12]	mmol/L	1.67	1.29	—	2.05	0.13
		mg/dL	65.7	51.0	—	80.4	5.0		mg/dL	64.6	49.9	—	79.3	5.0
	BS-200 [3]	mmol/L	1.71	1.33	—	2.09	0.13	BS-430 [13]	mmol/L	1.65	1.28	—	2.02	0.12
		mg/dL	66.1	51.4	—	80.8	5.0		mg/dL	63.8	49.5	—	78.1	4.6
	BS-200E [4]	mmol/L	1.67	1.29	—	2.05	0.13	BS-480 [14]	mmol/L	1.69	1.31	—	2.07	0.13
		mg/dL	64.6	49.9	—	79.3	5.0		mg/dL	65.3	50.6	—	80.0	5.0
	BS-230 [5]	mmol/L	1.66	1.29	—	2.03	0.12	BS-600 [15]	mmol/L	1.67	1.29	—	2.05	0.13
		mg/dL	64.2	49.9	—	78.5	4.6		mg/dL	64.6	49.9	—	79.3	5.0
	BS-240E [6]	mmol/L	1.62	1.26	—	1.98	0.12	BS-600M [16]	mmol/L	1.66	1.29	—	2.03	0.12
		mg/dL	62.6	48.7	—	76.5	4.6		mg/dL	64.2	49.9	—	78.5	4.6
	BS-300 [7]	mmol/L	1.68	1.30	—	2.06	0.13	BS-620M [17]	mmol/L	1.66	1.30	—	2.06	0.13
		mg/dL	64.9	50.3	—	79.6	5.0		mg/dL	64.2	50.3	—	79.6	5.0
	BS-330 [8]	mmol/L	1.71	1.33	—	2.09	0.13	BS-800 [18]	mmol/L	1.68	1.30	—	2.06	0.13
		mg/dL	66.1	51.4	—	80.8	5.0		mg/dL	64.9	50.3	—	79.6	5.0
	BS-330E [9]	mmol/L	1.67	1.29	—	2.05	0.13	BS-2000 [19]	mmol/L	1.69	1.31	—	2.07	0.13
		mg/dL	64.6	49.9	—	79.3	5.0		mg/dL	65.3	50.6	—	80.0	5.0
	BS-360E [10]	mmol/L	1.65	1.28	—	2.02	0.12	BS-2800M [20]	mmol/L	1.66	1.29	—	2.03	0.12
		mg/dL	63.8	49.5	—	78.1	4.6		mg/dL	64.2	49.9	—	78.5	4.6

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Abbreviated name	Model	Unit	Assay Value	Range(Assay Value±3SD)			1 SD	Model	Unit	Assay Value	Range(Assay Value±3SD)			1 SD
CK	BS-120 [1]	U/L	140	119	—	161	7	BS-380 [11]	U/L	139	118	—	160	7
		μkat/L	2.34	1.99	—	2.69	0.12		μkat/L	2.32	1.97	—	2.67	0.12
	BS-180 [2]	U/L	140	119	—	161	7	BS-400 [12]	U/L	139	118	—	160	7
		μkat/L	2.34	1.99	—	2.69	0.12		μkat/L	2.32	1.97	—	2.67	0.12
	BS-200 [3]	U/L	140	119	—	161	7	BS-430 [13]	U/L	141	120	—	162	7
		μkat/L	2.34	1.99	—	2.69	0.12		μkat/L	2.35	2.00	—	2.71	0.12
	BS-200E [4]	U/L	134	114	—	154	7	BS-480 [14]	U/L	139	118	—	160	7
		μkat/L	2.24	1.90	—	2.57	0.12		μkat/L	2.32	1.97	—	2.67	0.12
	BS-230 [5]	U/L	142	121	—	163	7	BS-600 [15]	U/L	142	121	—	163	7
		μkat/L	2.37	2.02	—	2.72	0.12		μkat/L	2.37	2.02	—	2.72	0.12
	BS-240E [6]	U/L	141	120	—	162	7	BS-600M [16]	U/L	139	118	—	160	7
		μkat/L	2.35	2.00	—	2.71	0.12		μkat/L	2.32	1.97	—	2.67	0.12
	BS-300 [7]	U/L	139	118	—	160	7	BS-620M [17]	U/L	139	118	—	160	7
		μkat/L	2.32	1.97	—	2.67	0.12		μkat/L	2.32	1.97	—	2.67	0.12
	BS-330 [8]	U/L	140	119	—	161	7	BS-800 [18]	U/L	141	120	—	162	7
		μkat/L	2.34	1.99	—	2.69	0.12		μkat/L	2.35	2.00	—	2.71	0.12
	BS-330E [9]	U/L	134	114	—	154	7	BS-2000 [19]	U/L	138	117	—	159	7
		μkat/L	2.24	1.90	—	2.57	0.12		μkat/L	2.30	1.95	—	2.66	0.12
	BS-360E [10]	U/L	141	120	—	162	7	BS-2800M [20]	U/L	139	118	—	160	7
		μkat/L	2.35	2.00	—	2.71	0.12		μkat/L	2.32	1.97	—	2.67	0.12
CK-MB	BS-120 [1]	U/L	45.0	34.9	—	55.1	3.4	BS-380 [11]	U/L	44.2	34.3	—	54.1	3.3
		μkat/L	0.752	0.583	—	0.920	0.057		μkat/L	0.738	0.573	—	0.903	0.055
	BS-180 [2]	U/L	45.0	34.9	—	55.1	3.4	BS-400 [12]	U/L	44.4	34.4	—	54.4	3.3
		μkat/L	0.752	0.583	—	0.920	0.057		μkat/L	0.741	0.574	—	0.908	0.055
	BS-200 [3]	U/L	44.5	34.5	—	54.5	3.3	BS-430 [13]	U/L	43.8	33.9	—	53.7	3.3
		μkat/L	0.743	0.576	—	0.910	0.055		μkat/L	0.731	0.566	—	0.897	0.055
	BS-200E [4]	U/L	43.8	33.9	—	53.7	3.3	BS-480 [14]	U/L	44.1	34.2	—	54.0	3.3
		μkat/L	0.731	0.566	—	0.897	0.055		μkat/L	0.736	0.571	—	0.902	0.055
	BS-230 [5]	U/L	44.4	34.4	—	54.4	3.3	BS-600 [15]	U/L	44.2	34.3	—	54.1	3.3
		μkat/L	0.741	0.574	—	0.908	0.055		μkat/L	0.738	0.573	—	0.903	0.055
	BS-240E [6]	U/L	45.3	35.1	—	55.5	3.4	BS-600M [16]	U/L	44.3	34.3	—	54.3	3.3
		μkat/L	0.757	0.586	—	0.927	0.057		μkat/L	0.740	0.573	—	0.907	0.055
	BS-300 [7]	U/L	45.7	35.4	—	56.0	3.4	BS-620M [17]	U/L	44.3	34.3	—	54.3	3.3
		μkat/L	0.763	0.591	—	0.935	0.057		μkat/L	0.740	0.573	—	0.907	0.055
	BS-330 [8]	U/L	44.5	34.5	—	54.5	3.3	BS-800 [18]	U/L	44.4	34.4	—	54.4	3.3
		μkat/L	0.743	0.576	—	0.910	0.055		μkat/L	0.741	0.574	—	0.908	0.055
	BS-330E [9]	U/L	43.8	33.9	—	53.7	3.3	BS-2000 [19]	U/L	42.9	33.2	—	52.6	3.2
		μkat/L	0.731	0.566	—	0.897	0.055		μkat/L	0.716	0.554	—	0.878	0.053
	BS-360E [10]	U/L	44.2	34.3	—	54.1	3.3	BS-2800M [20]	U/L	45.0	34.9	—	55.1	3.4
		μkat/L	0.738	0.573	—	0.903	0.055		μkat/L	0.752	0.583	—	0.920	0.057
Crea (SOX) Note: This reference value is only applicable to 141121019 and subsequent batch reagents	BS-120 [1]	μmol/L	88.2	75.0	—	101.4	4.4	BS-380 [11]	μmol/L	87.4	74.3	—	100.5	4.4
		mg/dL	0.998	0.848	—	1.147	0.050		mg/dL	0.989	0.840	—	1.137	0.050
	BS-180 [2]	μmol/L	88.2	75.0	—	101.4	4.4	BS-400 [12]	μmol/L	87.5	74.4	—	100.6	4.4
		mg/dL	0.998	0.848	—	1.147	0.050		mg/dL	0.990	0.842	—	1.138	0.050
	BS-200 [3]	μmol/L	86.5	73.5	—	99.5	4.3	BS-430 [13]	μmol/L	88.9	75.6	—	102.2	4.4
		mg/dL	0.979	0.831	—	1.126	0.049		mg/dL	1.01	0.86	—	1.16	0.05
	BS-200E [4]	μmol/L	85.9	73.0	—	98.8	4.3	BS-480 [14]	μmol/L	89.8	76.3	—	103.3	4.5
		mg/dL	0.972	0.826	—	1.118	0.049		mg/dL	1.02	0.86	—	1.17	0.05
	BS-230 [5]	μmol/L	89.9	76.4	—	103.4	4.5	BS-600 [15]	μmol/L	87.6	74.5	—	100.7	4.4
		mg/dL	1.02	0.86	—	1.17	0.05		mg/dL	0.991	0.843	—	1.139	0.050
	BS-240E [6]	μmol/L	87.4	74.3	—	100.5	4.4	BS-600M [16]	μmol/L	88.6	75.3	—	101.9	4.4
		mg/dL	0.989	0.840	—	1.137	0.050		mg/dL	1.00	0.85	—	1.15	0.05
	BS-300 [7]	μmol/L	86.9	73.9	—	99.9	4.3	BS-620M [17]	μmol/L	81.0	68.9	—	93.2	4.1
		mg/dL	0.983	0.836	—	1.130	0.049		mg/dL	0.916	0.779	—	1.054	0.046
	BS-330 [8]	μmol/L	86.5	73.5	—	99.5	4.3	BS-800 [18]	μmol/L	81.7	69.4	—	94.0	4.1
		mg/dL	0.979	0.831	—	1.126	0.049		mg/dL	0.924	0.785	—	1.063	0.046
	BS-330E [9]	μmol/L	85.9	73.0	—	98.8	4.3	BS-2000 [19]	μmol/L	81.1	68.9	—	93.3	4.1
		mg/dL	0.972	0.826	—	1.118	0.049		mg/dL	0.917	0.779	—	1.055	0.046
	BS-360E [10]	μmol/L	86.9	73.9	—	99.9	4.3	BS-2800M [20]	μmol/L	81.0	68.9	—	93.2	4.1
		mg/dL	0.983	0.836	—	1.130	0.049		mg/dL	0.916	0.779	—	1.054	0.046

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ClinChem Multi Control (Level 1)

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Abbreviated name	Model	Unit	Assay Value	Range(Assay Value±3SD)	1 SD	Model	Unit	Assay Value	Range(Assay Value±3SD)	1 SD
Crea (SOX) Note: This reference value is only applicable to 141121018 and before batch reagents	**BS-120** [1]	μmol/L	91.2	77.5 — 104.9	4.6	**BS-380** [11]	μmol/L	90.7	77.1 — 104.3	4.5
		mg/dL	1.03	0.88 — 1.19	0.05		mg/dL	1.03	0.87 — 1.18	0.05
	BS-180 [2]	μmol/L	91.2	77.5 — 104.9	4.6	**BS-400** [12]	μmol/L	90.7	77.1 — 104.3	4.5
		mg/dL	1.03	0.88 — 1.19	0.05		mg/dL	1.03	0.87 — 1.18	0.05
	BS-200 [3]	μmol/L	91.2	77.5 — 104.9	4.6	**BS-430** [13]	μmol/L	91.2	77.5 — 104.9	4.6
		mg/dL	1.03	0.88 — 1.19	0.05		mg/dL	1.03	0.88 — 1.19	0.05
	BS-200E [4]	μmol/L	89.4	76.0 — 102.8	4.5	**BS-480** [14]	μmol/L	91.4	77.7 — 105.1	4.6
		mg/dL	1.01	0.86 — 1.16	0.05		mg/dL	1.03	0.88 — 1.19	0.05
	BS-230 [5]	μmol/L	92.7	78.8 — 106.6	4.6	**BS-600** [15]	μmol/L	90.1	76.6 — 103.6	4.5
		mg/dL	1.05	0.89 — 1.21	0.05		mg/dL	1.02	0.87 — 1.17	0.05
	BS-240E [6]	μmol/L	90.3	76.8 — 103.8	4.5	**BS-600M** [16]	μmol/L	91.2	77.5 — 104.9	4.6
		mg/dL	1.02	0.87 — 1.17	0.05		mg/dL	1.03	0.88 — 1.19	0.05
	BS-300 [7]	μmol/L	90.9	77.3 — 104.5	4.5	**BS-620M** [17]	μmol/L	81.0	68.9 — 93.2	4.1
		mg/dL	1.03	0.87 — 1.18	0.05		mg/dL	0.916	0.779 — 1.054	0.046
	BS-330 [8]	μmol/L	91.2	77.5 — 104.9	4.6	**BS-800** [18]	μmol/L	81.7	69.4 — 94.0	4.1
		mg/dL	1.03	0.88 — 1.19	0.05		mg/dL	0.924	0.785 — 1.063	0.046
	BS-330E [9]	μmol/L	89.4	76.0 — 102.8	4.5	**BS-2000** [19]	μmol/L	81.1	68.9 — 93.3	4.1
		mg/dL	1.01	0.86 — 1.16	0.05		mg/dL	0.917	0.779 — 1.055	0.046
	BS-360E [10]	μmol/L	90.3	76.8 — 103.8	4.5	**BS-2800M** [20]	μmol/L	81.0	68.9 — 93.2	4.1
		mg/dL	1.02	0.87 — 1.17	0.05		mg/dL	0.916	0.779 — 1.054	0.046
GLU (GOD)	**BS-120** [1]	mmol/L	5.63	4.79 — 6.47	0.28	**BS-380** [11]	mmol/L	5.57	4.73 — 6.41	0.28
		mg/dL	101	86 — 117	5		mg/dL	100	85 — 115	5
	BS-180 [2]	mmol/L	5.63	4.79 — 6.47	0.28	**BS-400** [12]	mmol/L	5.60	4.76 — 6.44	0.28
		mg/dL	101	86 — 117	5		mg/dL	101	86 — 116	5
	BS-200 [3]	mmol/L	5.65	4.80 — 6.50	0.28	**BS-430** [13]	mmol/L	5.59	4.75 — 6.43	0.28
		mg/dL	102	86 — 117	5		mg/dL	101	86 — 116	5
	BS-200E [4]	mmol/L	5.48	4.66 — 6.30	0.27	**BS-480** [14]	mmol/L	5.59	4.75 — 6.43	0.28
		mg/dL	98.7	84.0 — 113.5	4.9		mg/dL	101	86 — 116	5
	BS-230 [5]	mmol/L	5.73	4.87 — 6.59	0.29	**BS-600** [15]	mmol/L	5.62	4.78 — 6.46	0.28
		mg/dL	103	88 — 119	5		mg/dL	101	86 — 116	5
	BS-240E [6]	mmol/L	5.55	4.72 — 6.38	0.28	**BS-600M** [16]	mmol/L	5.60	4.76 — 6.44	0.28
		mg/dL	100	85 — 115	5		mg/dL	101	86 — 116	5
	BS-300 [7]	mmol/L	5.61	4.77 — 6.45	0.28	**BS-620M** [17]	mmol/L	5.60	4.76 — 6.44	0.28
		mg/dL	101	86 — 116	5		mg/dL	101	86 — 116	5
	BS-330 [8]	mmol/L	5.65	4.80 — 6.50	0.28	**BS-800** [18]	mmol/L	5.55	4.72 — 6.38	0.28
		mg/dL	102	86 — 117	5		mg/dL	100	85 — 115	5
	BS-330E [9]	mmol/L	5.48	4.66 — 6.30	0.27	**BS-2000** [19]	mmol/L	5.60	4.76 — 6.44	0.28
		mg/dL	98.7	84.0 — 113.5	4.9		mg/dL	101	86 — 116	5
	BS-360E [10]	mmol/L	5.59	4.75 — 6.43	0.28	**BS-2800M** [20]	mmol/L	5.60	4.76 — 6.44	0.28
		mg/dL	101	86 — 116	5		mg/dL	101	86 — 116	5
GLU (HK)	**BS-120** [1]	mmol/L	5.71	4.85 — 6.57	0.29	**BS-380** [11]	mmol/L	5.67	4.82 — 6.52	0.28
		mg/dL	103	87 — 118	5		mg/dL	102	87 — 117	5
	BS-180 [2]	mmol/L	5.71	4.85 — 6.57	0.29	**BS-400** [12]	mmol/L	5.69	4.84 — 6.54	0.28
		mg/dL	103	87 — 118	5		mg/dL	103	87 — 118	5
	BS-200 [3]	mmol/L	5.77	4.90 — 6.64	0.29	**BS-430** [13]	mmol/L	5.62	4.78 — 6.46	0.28
		mg/dL	104	88 — 120	5		mg/dL	101	86 — 116	5
	BS-200E [4]	mmol/L	5.64	4.79 — 6.49	0.28	**BS-480** [14]	mmol/L	5.57	4.73 — 6.41	0.28
		mg/dL	102	86 — 117	5		mg/dL	100	85 — 115	5
	BS-230 [5]	mmol/L	5.75	4.89 — 6.61	0.29	**BS-600** [15]	mmol/L	5.57	4.73 — 6.41	0.28
		mg/dL	104	88 — 119	5		mg/dL	100	85 — 115	5
	BS-240E [6]	mmol/L	5.53	4.70 — 6.36	0.28	**BS-600M** [16]	mmol/L	5.63	4.79 — 6.47	0.28
		mg/dL	99.6	84.7 — 114.6	5.0		mg/dL	101	86 — 117	5
	BS-300 [7]	mmol/L	5.67	4.82 — 6.52	0.28	**BS-620M** [17]	mmol/L	5.63	4.79 — 6.47	0.28
		mg/dL	102	87 — 117	5		mg/dL	101	86 — 117	5
	BS-330 [8]	mmol/L	5.77	4.90 — 6.64	0.29	**BS-800** [18]	mmol/L	5.62	4.78 — 6.46	0.28
		mg/dL	104	88 — 120	5		mg/dL	101	86 — 116	5
	BS-330E [9]	mmol/L	5.64	4.79 — 6.49	0.28	**BS-2000** [19]	mmol/L	5.69	4.84 — 6.54	0.28
		mg/dL	102	86 — 117	5		mg/dL	103	87 — 118	5
	BS-360E [10]	mmol/L	5.54	4.71 — 6.37	0.28	**BS-2800M** [20]	mmol/L	5.66	4.81 — 6.51	0.28
		mg/dL	99.8	84.9 — 114.8	5.0		mg/dL	102	87 — 117	5

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Abbreviated name	Model	Unit	Assay Value	Range(Assay Value±3SD)			1 SD	Model	Unit	Assay Value	Range(Assay Value±3SD)			1 SD
GGT	BS-120 [1]	U/L	63.4	53.9	—	72.9	3.2	BS-380 [11]	U/L	63.3	53.8	—	72.8	3.2
		μkat/L	1.06	0.90	—	1.22	0.05		μkat/L	1.06	0.90	—	1.22	0.05
	BS-180 [2]	U/L	63.4	53.9	—	72.9	3.2	BS-400 [12]	U/L	63.3	53.8	—	72.8	3.2
		μkat/L	1.06	0.90	—	1.22	0.05		μkat/L	1.06	0.90	—	1.22	0.05
	BS-200 [3]	U/L	63.4	53.9	—	72.9	3.2	BS-430 [13]	U/L	62.9	53.5	—	72.3	3.1
		μkat/L	1.06	0.90	—	1.22	0.05		μkat/L	1.05	0.89	—	1.21	0.05
	BS-200E [4]	U/L	62.0	52.7	—	71.3	3.1	BS-480 [14]	U/L	62.9	53.5	—	72.3	3.1
		μkat/L	1.04	0.88	—	1.19	0.05		μkat/L	1.05	0.89	—	1.21	0.05
	BS-230 [5]	U/L	63.1	53.6	—	72.6	3.2	BS-600 [15]	U/L	62.9	53.5	—	72.3	3.1
		μkat/L	1.05	0.90	—	1.21	0.05		μkat/L	1.05	0.89	—	1.21	0.05
	BS-240E [6]	U/L	62.4	53.0	—	71.8	3.1	BS-600M [16]	U/L	62.6	53.2	—	72.0	3.1
		μkat/L	1.04	0.89	—	1.20	0.05		μkat/L	1.05	0.89	—	1.20	0.05
	BS-300 [7]	U/L	63.3	53.8	—	72.8	3.2	BS-620M [17]	U/L	62.6	53.2	—	72.0	3.1
		μkat/L	1.06	0.90	—	1.22	0.05		μkat/L	1.05	0.89	—	1.20	0.05
	BS-330 [8]	U/L	63.4	53.9	—	72.9	3.2	BS-800 [18]	U/L	62.9	53.5	—	72.3	3.1
		μkat/L	1.06	0.90	—	1.22	0.05		μkat/L	1.05	0.89	—	1.21	0.05
	BS-330E [9]	U/L	62.0	52.7	—	71.3	3.1	BS-2000 [19]	U/L	62.3	53.0	—	71.6	3.1
		μkat/L	1.04	0.88	—	1.19	0.05		μkat/L	1.04	0.89	—	1.20	0.05
	BS-360E [10]	U/L	62.8	53.4	—	72.2	3.1	BS-2800M [20]	U/L	62.6	53.2	—	72.0	3.1
		μkat/L	1.05	0.89	—	1.21	0.05		μkat/L	1.05	0.89	—	1.20	0.05
α-HBDH	BS-120 [1]	U/L	169	144	—	194	8	BS-380 [11]	U/L	170	145	—	196	9
		μkat/L	2.82	2.40	—	3.24	0.13		μkat/L	2.84	2.42	—	3.27	0.15
	BS-180 [2]	U/L	169	144	—	194	8	BS-400 [12]	U/L	170	145	—	196	9
		μkat/L	2.82	2.40	—	3.24	0.13		μkat/L	2.84	2.42	—	3.27	0.15
	BS-200 [3]	U/L	170	145	—	196	9	BS-430 [13]	U/L	171	145	—	197	9
		μkat/L	2.84	2.42	—	3.27	0.15		μkat/L	2.86	2.42	—	3.29	0.15
	BS-200E [4]	U/L	170	145	—	196	9	BS-480 [14]	U/L	171	145	—	197	9
		μkat/L	2.84	2.42	—	3.27	0.15		μkat/L	2.86	2.42	—	3.29	0.15
	BS-230 [5]	U/L	168	143	—	193	8	BS-600 [15]	U/L	171	145	—	197	9
		μkat/L	2.81	2.39	—	3.22	0.13		μkat/L	2.86	2.42	—	3.29	0.15
	BS-240E [6]	U/L	171	145	—	197	9	BS-600M [16]	U/L	171	145	—	197	9
		μkat/L	2.86	2.42	—	3.29	0.15		μkat/L	2.86	2.42	—	3.29	0.15
	BS-300 [7]	U/L	170	145	—	196	9	BS-620M [17]	U/L	171	144	—	194	8
		μkat/L	2.84	2.42	—	3.27	0.15		μkat/L	2.86	2.40	—	3.24	0.13
	BS-330 [8]	U/L	170	145	—	196	9	BS-800 [18]	U/L	171	145	—	197	9
		μkat/L	2.84	2.42	—	3.27	0.15		μkat/L	2.86	2.42	—	3.29	0.15
	BS-330E [9]	U/L	170	145	—	196	9	BS-2000 [19]	U/L	174	148	—	200	9
		μkat/L	2.84	2.42	—	3.27	0.15		μkat/L	2.91	2.47	—	3.34	0.15
	BS-360E [10]	U/L	171	145	—	197	9	BS-2800M [20]	U/L	171	145	—	197	9
		μkat/L	2.86	2.42	—	3.29	0.15		μkat/L	2.86	2.42	—	3.29	0.15
ApoA1	BS-120 [1]	g/L	1.26	0.98	—	1.54	0.09	BS-380 [11]	g/L	1.26	0.98	—	1.54	0.09
		μmol/L	45.0	35.0	—	55.0	3.2		μmol/L	45.0	35.0	—	55.0	3.2
	BS-180 [2]	g/L	1.26	0.98	—	1.54	0.09	BS-400 [12]	g/L	1.26	0.98	—	1.54	0.09
		μmol/L	45.0	35.0	—	55.0	3.2		μmol/L	45.0	35.0	—	55.0	3.2
	BS-200 [3]	g/L	1.30	1.01	—	1.59	0.10	BS-430 [13]	g/L	1.24	0.96	—	1.52	0.09
		μmol/L	46.4	36.1	—	56.8	3.6		μmol/L	44.3	34.3	—	54.3	3.2
	BS-200E [4]	g/L	1.35	1.05	—	1.65	0.10	BS-480 [14]	g/L	1.26	0.98	—	1.54	0.09
		μmol/L	48.2	37.5	—	58.9	3.6		μmol/L	45.0	35.0	—	55.0	3.2
	BS-230 [5]	g/L	1.24	0.96	—	1.52	0.09	BS-600 [15]	g/L	1.24	0.96	—	1.52	0.09
		μmol/L	44.3	34.3	—	54.3	3.2		μmol/L	44.3	34.3	—	54.3	3.2
	BS-240E [6]	g/L	1.24	0.96	—	1.52	0.09	BS-600M [16]	g/L	1.24	0.96	—	1.52	0.09
		μmol/L	44.3	34.3	—	54.3	3.2		μmol/L	44.3	34.3	—	54.3	3.2
	BS-300 [7]	g/L	1.28	0.99	—	1.57	0.10	BS-620M [17]	g/L	1.24	0.96	—	1.52	0.09
		μmol/L	45.7	35.3	—	56.0	3.6		μmol/L	44.3	34.3	—	54.3	3.2
	BS-330 [8]	g/L	1.30	1.01	—	1.59	0.10	BS-800 [18]	g/L	1.23	0.95	—	1.51	0.09
		μmol/L	46.4	36.1	—	56.8	3.6		μmol/L	43.9	33.9	—	53.9	3.2
	BS-330E [9]	g/L	1.35	1.05	—	1.65	0.10	BS-2000 [19]	g/L	1.22	0.95	—	1.49	0.09
		μmol/L	48.2	37.5	—	58.9	3.6		μmol/L	43.6	33.9	—	53.2	3.2
	BS-360E [10]	g/L	1.28	0.99	—	1.57	0.10	BS-2800M [20]	g/L	1.24	0.96	—	1.52	0.09
		μmol/L	45.7	35.3	—	56.0	3.6		μmol/L	44.3	34.3	—	54.3	3.2

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Abbreviated name	Model	Unit	Assay Value	Range(Assay Value±3SD)	1 SD	Model	Unit	Assay Value	Range(Assay Value±3SD)	1 SD
ApoB Note: This reference value is only applicable to 141922002 and subsequent batch ApoB reagents	**BS-120** [1]	g/L	0.557	0.432 — 0.682	0.042	**BS-380** [11]	g/L	0.565	0.438 — 0.692	0.042
		μmol/L	1.09	0.84 — 1.33	0.08		μmol/L	1.10	0.85 — 1.35	0.08
	BS-180 [2]	g/L	0.557	0.432 — 0.682	0.042	**BS-400** [12]	g/L	0.559	0.433 — 0.685	0.042
		μmol/L	1.09	0.84 — 1.33	0.08		μmol/L	1.09	0.84 — 1.34	0.08
	BS-200 [3]	g/L	0.550	0.426 — 0.674	0.041	**BS-430** [13]	g/L	0.551	0.427 — 0.675	0.041
		μmol/L	1.07	0.83 — 1.31	0.08		μmol/L	1.07	0.83 — 1.32	0.08
	BS-200E [4]	g/L	0.546	0.423 — 0.669	0.041	**BS-480** [14]	g/L	0.565	0.438 — 0.692	0.042
		μmol/L	1.06	0.82 — 1.30	0.08		μmol/L	1.10	0.85 — 1.35	0.08
	BS-230 [5]	g/L	0.531	0.412 — 0.650	0.040	**BS-600** [15]	g/L	0.554	0.429 — 0.679	0.042
		μmol/L	1.04	0.80 — 1.27	0.08		μmol/L	1.08	0.84 — 1.32	0.08
	BS-240E [6]	g/L	0.544	0.422 — 0.666	0.041	**BS-600M** [16]	g/L	0.524	0.406 — 0.642	0.039
		μmol/L	1.06	0.82 — 1.30	0.08		μmol/L	1.02	0.79 — 1.25	0.08
	BS-300 [7]	g/L	0.549	0.425 — 0.673	0.041	**BS-620M** [17]	g/L	0.524	0.406 — 0.642	0.039
		μmol/L	1.07	0.83 — 1.31	0.08		μmol/L	1.02	0.79 — 1.25	0.08
	BS-330 [8]	g/L	0.550	0.426 — 0.674	0.041	**BS-800** [18]	g/L	0.554	0.429 — 0.679	0.042
		μmol/L	1.07	0.83 — 1.31	0.08		μmol/L	1.08	0.84 — 1.32	0.08
	BS-330E [9]	g/L	0.546	0.423 — 0.669	0.041	**BS-2000** [19]	g/L	0.543	0.421 — 0.665	0.041
		μmol/L	1.06	0.82 — 1.30	0.08		μmol/L	1.06	0.82 — 1.30	0.08
	BS-360E [10]	g/L	0.583	0.452 — 0.714	0.044	**BS-2800M** [20]	g/L	0.549	0.425 — 0.673	0.041
		μmol/L	1.14	0.88 — 1.39	0.09		μmol/L	1.07	0.83 — 1.31	0.08
ApoB Note: This reference value is only applicable to 141922001 and before batch ApoB reagents	**BS-120** [1]	g/L	0.551	0.427 — 0.675	0.041	**BS-380** [11]	g/L	0.559	0.433 — 0.685	0.042
		μmol/L	1.07	0.83 — 1.32	0.08		μmol/L	1.09	0.84 — 1.34	0.08
	BS-180 [2]	g/L	0.551	0.427 — 0.675	0.041	**BS-400** [12]	g/L	0.559	0.433 — 0.685	0.042
		μmol/L	1.07	0.83 — 1.32	0.08		μmol/L	1.09	0.84 — 1.34	0.08
	BS-200 [3]	g/L	0.562	0.436 — 0.688	0.042	**BS-430** [13]	g/L	0.557	0.432 — 0.682	0.042
		μmol/L	1.10	0.85 — 1.34	0.08		μmol/L	1.09	0.84 — 1.33	0.08
	BS-200E [4]	g/L	0.579	0.449 — 0.709	0.043	**BS-480** [14]	g/L	0.545	0.422 — 0.668	0.041
		μmol/L	1.13	0.88 — 1.38	0.08		μmol/L	1.06	0.82 — 1.30	0.08
	BS-230 [5]	g/L	0.552	0.428 — 0.676	0.041	**BS-600** [15]	g/L	0.550	0.426 — 0.674	0.041
		μmol/L	1.08	0.83 — 1.32	0.08		μmol/L	1.07	0.83 — 1.31	0.08
	BS-240E [6]	g/L	0.554	0.429 — 0.679	0.042	**BS-600M** [16]	g/L	0.558	0.432 — 0.684	0.042
		μmol/L	1.08	0.84 — 1.32	0.08		μmol/L	1.09	0.84 — 1.33	0.08
	BS-300 [7]	g/L	0.545	0.422 — 0.668	0.041	**BS-620M** [17]	g/L	0.558	0.432 — 0.684	0.042
		μmol/L	1.06	0.82 — 1.30	0.08		μmol/L	1.09	0.84 — 1.33	0.08
	BS-330 [8]	g/L	0.562	0.436 — 0.688	0.042	**BS-800** [18]	g/L	0.578	0.448 — 0.708	0.043
		μmol/L	1.10	0.85 — 1.34	0.08		μmol/L	1.13	0.87 — 1.38	0.08
	BS-330E [9]	g/L	0.579	0.449 — 0.709	0.043	**BS-2000** [19]	g/L	0.553	0.429 — 0.677	0.041
		μmol/L	1.13	0.88 — 1.38	0.08		μmol/L	1.08	0.84 — 1.32	0.08
	BS-360E [10]	g/L	0.587	0.455 — 0.719	0.044	**BS-2800M** [20]	g/L	0.558	0.432 — 0.684	0.042
		μmol/L	1.14	0.89 — 1.40	0.09		μmol/L	1.09	0.84 — 1.33	0.08
C3	**BS-120** [1]	g/L	1.04	0.83 — 1.25	0.07	**BS-380** [11]	g/L	1.04	0.83 — 1.25	0.07
	BS-180 [2]	g/L	1.04	0.83 — 1.25	0.07	**BS-400** [12]	g/L	1.04	0.83 — 1.25	0.07
	BS-200 [3]	g/L	1.07	0.85 — 1.29	0.07	**BS-430** [13]	g/L	1.04	0.83 — 1.25	0.07
	BS-200E [4]	g/L	1.09	0.87 — 1.31	0.07	**BS-480** [14]	g/L	1.00	0.80 — 1.20	0.07
	BS-230 [5]	g/L	0.979	0.781 — 1.177	0.066	**BS-600** [15]	g/L	1.02	0.81 — 1.23	0.07
	BS-240E [6]	g/L	1.10	0.88 — 1.32	0.07	**BS-600M** [16]	g/L	1.04	0.83 — 1.25	0.07
	BS-300 [7]	g/L	1.08	0.86 — 1.30	0.07	**BS-620M** [17]	g/L	1.04	0.83 — 1.25	0.07
	BS-330 [8]	g/L	1.07	0.85 — 1.29	0.07	**BS-800** [18]	g/L	1.05	0.84 — 1.26	0.07
	BS-330E [9]	g/L	1.09	0.87 — 1.31	0.07	**BS-2000** [19]	g/L	1.01	0.81 — 1.21	0.07
	BS-360E [10]	g/L	1.02	0.81 — 1.23	0.07	**BS-2800M** [20]	g/L	1.03	0.82 — 1.24	0.07
C4	**BS-120** [1]	g/L	0.166	0.132 — 0.200	0.011	**BS-380** [11]	g/L	0.171	0.136 — 0.206	0.012
		μmol/L	0.830	0.660 — 1.000	0.055		μmol/L	0.855	0.680 — 1.030	0.060
	BS-180 [2]	g/L	0.166	0.132 — 0.200	0.011	**BS-400** [12]	g/L	0.171	0.136 — 0.206	0.012
		μmol/L	0.830	0.660 — 1.000	0.055		μmol/L	0.855	0.680 — 1.030	0.060
	BS-200 [3]	g/L	0.174	0.139 — 0.209	0.012	**BS-430** [13]	g/L	0.171	0.136 — 0.206	0.012
		μmol/L	0.870	0.695 — 1.045	0.060		μmol/L	0.855	0.680 — 1.030	0.060
	BS-200E [4]	g/L	0.166	0.132 — 0.200	0.011	**BS-480** [14]	g/L	0.162	0.129 — 0.195	0.011
		μmol/L	0.830	0.660 — 1.000	0.055		μmol/L	0.810	0.645 — 0.975	0.055
	BS-230 [5]	g/L	0.159	0.127 — 0.191	0.011	**BS-600** [15]	g/L	0.164	0.131 — 0.197	0.011
		μmol/L	0.795	0.635 — 0.955	0.055		μmol/L	0.820	0.655 — 0.985	0.055
	BS-240E [6]	g/L	0.167	0.133 — 0.201	0.011	**BS-600M** [16]	g/L	0.166	0.132 — 0.200	0.011
		μmol/L	0.835	0.665 — 1.005	0.055		μmol/L	0.830	0.660 — 1.000	0.055
	BS-300 [7]	g/L	0.171	0.136 — 0.206	0.012	**BS-620M** [17]	g/L	0.166	0.132 — 0.200	0.011
		μmol/L	0.855	0.680 — 1.030	0.060		μmol/L	0.830	0.660 — 1.000	0.055
	BS-330 [8]	g/L	0.174	0.139 — 0.209	0.012	**BS-800** [18]	g/L	0.169	0.135 — 0.203	0.011
		μmol/L	0.870	0.695 — 1.045	0.060		μmol/L	0.845	0.675 — 1.015	0.055
	BS-330E [9]	g/L	0.166	0.132 — 0.200	0.011	**BS-2000** [19]	g/L	0.165	0.132 — 0.198	0.011
		μmol/L	0.830	0.660 — 1.000	0.055		μmol/L	0.825	0.660 — 0.990	0.055
	BS-360E [10]	g/L	0.167	0.133 — 0.201	0.011	**BS-2800M** [20]	g/L	0.167	0.133 — 0.201	0.011
		μmol/L	0.835	0.665 — 1.005	0.055		μmol/L	0.835	0.665 — 1.005	0.055

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ClinChem Multi Control (Level 1)

***Please note the target value change**

mindray

Abbreviated name	Model	Unit	Assay Value	Range(Assay Value±3SD)			1 SD	Model	Unit	Assay Value	Range(Assay Value±3SD)			1 SD
CRP Ⅱ	BS-120 [1]	mg/L	4.56	3.19	—	5.93	0.46	BS-380 [11]	mg/L	5.81	4.07	—	7.55	0.58
		nmol/L	43.4	30.4	—	56.5	4.4		nmol/L	55.3	38.7	—	71.9	5.5
	BS-180 [2]	mg/L	4.56	3.19	—	5.93	0.46	BS-400 [12]	mg/L	5.49	3.84	—	7.14	0.55
		nmol/L	43.4	30.4	—	56.5	4.4		nmol/L	52.3	36.6	—	68.0	5.2
	BS-200 [3]	mg/L	5.26	3.68	—	6.84	0.53	BS-430 [13]	mg/L	5.27	3.69	—	6.85	0.53
		nmol/L	50.1	35.0	—	65.1	5.0		nmol/L	50.2	35.1	—	65.2	5.0
	BS-200E [4]	mg/L	6.04	4.23	—	7.85	0.60	BS-480 [14]	mg/L	5.19	3.63	—	6.75	0.52
		nmol/L	57.5	40.3	—	74.7	5.7		nmol/L	49.0	35.0	—	64.0	5.0
	BS-230 [5]	mg/L	5.76	4.03	—	7.49	0.58	BS-600 [15]	mg/L	5.42	3.79	—	7.05	0.54
		nmol/L	54.8	38.4	—	71.3	5.5		nmol/L	51.6	36.1	—	67.1	5.1
	BS-240E [6]	mg/L	5.39	3.77	—	7.01	0.54	BS-600M [16]	mg/L	5.73	4.01	—	7.45	0.57
		nmol/L	51.3	35.9	—	66.7	5.1		nmol/L	54.5	38.2	—	70.9	5.4
	BS-300 [7]	mg/L	5.26	3.68	—	6.84	0.53	BS-620M [17]	mg/L	5.73	4.01	—	7.45	0.57
		nmol/L	50.1	35.0	—	65.1	5.0		nmol/L	54.5	38.2	—	70.9	5.4
	BS-330 [8]	mg/L	5.26	3.68	—	6.84	0.53	BS-800 [18]	mg/L	5.73	4.01	—	7.45	0.57
		nmol/L	50.1	35.0	—	65.1	5.0		nmol/L	54.5	38.2	—	70.9	5.4
	BS-330E [9]	mg/L	6.04	4.23	—	7.85	0.60	BS-2000 [19]	mg/L	5.62	3.93	—	7.31	0.56
		nmol/L	57.5	40.3	—	74.7	5.7		nmol/L	53.5	37.4	—	69.6	5.3
	BS-360E [10]	mg/L	5.73	4.01	—	7.45	0.57	BS-2800M [20]	mg/L	/	/	—	/	/
		nmol/L	54.5	38.2	—	70.9	5.4		nmol/L	/	/	—	/	/
IgA Ⅱ	BS-200 [3]	g/L	1.71	1.33	—	2.09	0.13	BS-430 [13]	g/L	1.65	1.28	—	2.02	0.12
		μmol/L	10.7	8.3	—	13.1	0.8		μmol/L	10.3	8.0	—	12.6	0.8
	BS-200E [4]	g/L	1.65	1.28	—	2.02	0.12	BS-480 [14]	g/L	1.64	1.27	—	2.01	0.12
		μmol/L	10.3	8.0	—	12.6	0.8		μmol/L	10.3	7.9	—	12.6	0.8
	BS-230 [5]	g/L	1.60	1.24	—	1.96	0.12	BS-600 [15]	g/L	1.62	1.26	—	1.98	0.12
		μmol/L	10.0	7.8	—	12.3	0.8		μmol/L	10.1	7.9	—	12.4	0.8
	BS-240E [6]	g/L	1.68	1.30	—	2.06	0.13	BS-600M [16]	g/L	1.60	1.24	—	1.96	0.12
		μmol/L	10.5	8.1	—	12.9	0.8		μmol/L	10.0	7.8	—	12.3	0.8
	BS-330 [8]	g/L	1.71	1.33	—	2.09	0.13	BS-620M [17]	g/L	1.60	1.24	—	1.96	0.12
		μmol/L	10.7	8.3	—	13.1	0.8		μmol/L	10.0	7.8	—	12.3	0.8
	BS-330E [9]	g/L	1.65	1.28	—	2.02	0.12	BS-800 [18]	g/L	1.65	1.28	—	2.02	0.12
		μmol/L	10.3	8.0	—	12.6	0.8		μmol/L	10.3	8.0	—	12.6	0.8
	BS-360E [10]	g/L	1.64	1.27	—	2.01	0.12	BS-2000 [19]	g/L	1.57	1.22	—	1.92	0.12
		μmol/L	10.3	7.9	—	12.6	0.8		μmol/L	9.81	7.63	—	12.00	0.75
	BS-380 [11]	g/L	1.60	1.24	—	1.96	0.12	BS-2800M [20]	g/L	1.62	1.26	—	1.98	0.12
		μmol/L	10.0	7.8	—	12.3	0.8		μmol/L	10.1	7.9	—	12.4	0.8
	BS-400 [12]	g/L	1.65	1.28	—	2.02	0.12							
		μmol/L	10.3	8.0	—	12.6	0.8							
IgG	BS-120 [1]	g/L	8.69	6.73	—	10.65	0.65	BS-380 [11]	g/L	7.85	6.08	—	9.62	0.59
		μmol/L	58.0	44.9	—	71.0	4.3		μmol/L	52.4	40.6	—	64.2	3.9
	BS-180 [2]	g/L	8.69	6.73	—	10.65	0.65	BS-400 [12]	g/L	7.85	6.08	—	9.62	0.59
		μmol/L	58.0	44.9	—	71.0	4.3		μmol/L	52.4	40.6	—	64.2	3.9
	BS-200 [3]	g/L	8.36	6.48	—	10.24	0.63	BS-430 [13]	g/L	7.73	5.99	—	9.47	0.58
		μmol/L	55.8	43.2	—	68.3	4.2		μmol/L	51.6	40.0	—	63.2	3.9
	BS-200E [4]	g/L	7.99	6.19	—	9.79	0.60	BS-480 [14]	g/L	7.43	5.76	—	9.10	0.56
		μmol/L	53.3	41.3	—	65.3	4.0		μmol/L	49.6	38.4	—	60.7	3.7
	BS-230 [5]	g/L	8.09	6.27	—	9.91	0.61	BS-600 [15]	g/L	7.73	5.99	—	9.47	0.58
		μmol/L	54.0	41.8	—	66.1	4.1		μmol/L	51.6	40.0	—	63.2	3.9
	BS-240E [6]	g/L	7.73	5.99	—	9.47	0.58	BS-600M [16]	g/L	7.63	5.91	—	9.35	0.57
		μmol/L	51.6	40.0	—	63.2	3.9		μmol/L	50.9	39.4	—	62.4	3.8
	BS-300 [7]	g/L	7.85	6.08	—	9.62	0.59	BS-620M [17]	g/L	7.63	5.91	—	9.35	0.57
		μmol/L	52.4	40.6	—	64.2	3.9		μmol/L	50.9	39.4	—	62.4	3.8
	BS-330 [8]	g/L	8.36	6.48	—	10.24	0.63	BS-800 [18]	g/L	7.73	5.99	—	9.47	0.58
		μmol/L	55.8	43.2	—	68.3	4.2		μmol/L	51.6	40.0	—	63.2	3.9
	BS-330E [9]	g/L	7.99	6.19	—	9.79	0.60	BS-2000 [19]	g/L	7.64	5.92	—	9.36	0.57
		μmol/L	53.3	41.3	—	65.3	4.0		μmol/L	51.0	39.5	—	62.4	3.8
	BS-360E [10]	g/L	7.86	6.09	—	9.63	0.59	BS-2800M [20]	g/L	7.63	5.91	—	9.35	0.57
		μmol/L	52.4	40.6	—	64.2	3.9		μmol/L	50.9	39.4	—	62.4	3.8

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ClinChem Multi Control (Level 1)

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Abbreviated name	Model	Unit	Assay Value	Range(Assay Value±3SD)			1 SD	Model	Unit	Assay Value	Range(Assay Value±3SD)			1 SD
IgM	BS-120 [1]	g/L	0.731	0.567	—	0.895	0.055	BS-380 [11]	g/L	0.729	0.565	—	0.893	0.055
		μmol/L	0.753	0.584	—	0.922	0.057		μmol/L	0.751	0.582	—	0.920	0.057
	BS-180 [2]	g/L	0.731	0.567	—	0.895	0.055	BS-400 [12]	g/L	0.727	0.563	—	0.891	0.055
		μmol/L	0.753	0.584	—	0.922	0.057		μmol/L	0.749	0.580	—	0.918	0.057
	BS-200 [3]	g/L	0.762	0.591	—	0.933	0.057	BS-430 [13]	g/L	0.738	0.572	—	0.904	0.055
		μmol/L	0.785	0.609	—	0.961	0.059		μmol/L	0.760	0.589	—	0.931	0.057
	BS-200E [4]	g/L	0.734	0.569	—	0.899	0.055	BS-480 [14]	g/L	0.730	0.566	—	0.894	0.055
		μmol/L	0.756	0.586	—	0.926	0.057		μmol/L	0.752	0.583	—	0.921	0.057
	BS-230 [5]	g/L	0.731	0.567	—	0.895	0.055	BS-600 [15]	g/L	0.726	0.563	—	0.889	0.054
		μmol/L	0.753	0.584	—	0.922	0.057		μmol/L	0.748	0.580	—	0.916	0.056
	BS-240E [6]	g/L	0.731	0.567	—	0.895	0.055	BS-600M [16]	g/L	0.710	0.550	—	0.870	0.053
		μmol/L	0.753	0.584	—	0.922	0.057		μmol/L	0.731	0.567	—	0.896	0.055
	BS-300 [7]	g/L	0.723	0.560	—	0.886	0.054	BS-620M [17]	g/L	0.710	0.550	—	0.870	0.053
		μmol/L	0.745	0.577	—	0.913	0.056		μmol/L	0.731	0.567	—	0.896	0.055
	BS-330 [8]	g/L	0.762	0.591	—	0.933	0.057	BS-800 [18]	g/L	0.727	0.563	—	0.891	0.055
		μmol/L	0.785	0.609	—	0.961	0.059		μmol/L	0.749	0.580	—	0.918	0.057
	BS-330E [9]	g/L	0.734	0.569	—	0.899	0.055	BS-2000 [19]	g/L	0.727	0.563	—	0.891	0.055
		μmol/L	0.756	0.586	—	0.926	0.057		μmol/L	0.749	0.580	—	0.918	0.057
	BS-360E [10]	g/L	0.723	0.560	—	0.886	0.054	BS-2800M [20]	g/L	0.710	0.550	—	0.870	0.053
		μmol/L	0.745	0.577	—	0.913	0.056		μmol/L	0.731	0.567	—	0.896	0.055
PA	BS-120 [1]	mg/L	130	101	—	159	10	BS-380 [11]	mg/L	133	103	—	163	10
		μmol/L	2.37	1.84	—	2.89	0.18		μmol/L	2.42	1.87	—	2.97	0.18
	BS-180 [2]	mg/L	130	101	—	159	10	BS-400 [12]	mg/L	135	105	—	165	10
		μmol/L	2.37	1.84	—	2.89	0.18		μmol/L	2.46	1.91	—	3.00	0.18
	BS-200 [3]	mg/L	134	104	—	164	10	BS-430 [13]	mg/L	137	106	—	168	10
		μmol/L	2.44	1.89	—	2.98	0.18		μmol/L	2.49	1.93	—	3.06	0.18
	BS-200E [4]	mg/L	138	107	—	169	10	BS-480 [14]	mg/L	136	105	—	167	10
		μmol/L	2.51	1.95	—	3.08	0.18		μmol/L	2.48	1.91	—	3.04	0.18
	BS-230 [5]	mg/L	130	101	—	159	10	BS-600 [15]	mg/L	136	105	—	167	10
		μmol/L	2.37	1.84	—	2.89	0.18		μmol/L	2.48	1.91	—	3.04	0.18
	BS-240E [6]	mg/L	136	105	—	167	10	BS-600M [16]	mg/L	134	104	—	164	10
		μmol/L	2.48	1.91	—	3.04	0.18		μmol/L	2.44	1.89	—	2.98	0.18
	BS-300 [7]	mg/L	136	105	—	167	10	BS-620M [17]	mg/L	134	104	—	164	10
		μmol/L	2.48	1.91	—	3.04	0.18		μmol/L	2.44	1.89	—	2.98	0.18
	BS-330 [8]	mg/L	134	104	—	164	10	BS-800 [18]	mg/L	136	105	—	167	10
		μmol/L	2.44	1.89	—	2.98	0.18		μmol/L	2.48	1.91	—	3.04	0.18
	BS-330E [9]	mg/L	138	107	—	169	10	BS-2000 [19]	mg/L	137	106	—	168	10
		μmol/L	2.51	1.95	—	3.08	0.18		μmol/L	2.49	1.93	—	3.06	0.18
	BS-360E [10]	mg/L	136	105	—	167	10	BS-2800M [20]	mg/L	140	109	—	172	11
		μmol/L	2.48	1.91	—	3.04	0.18		μmol/L	2.55	1.98	—	3.13	0.20
LDH	BS-120 [1]	U/L	156	133	—	179	8	BS-380 [11]	U/L	158	134	—	182	8
		μkat/L	2.61	2.22	—	2.99	0.13		μkat/L	2.64	2.24	—	3.04	0.13
	BS-180 [2]	U/L	156	133	—	179	8	BS-400 [12]	U/L	158	134	—	182	8
		μkat/L	2.61	2.22	—	2.99	0.13		μkat/L	2.64	2.24	—	3.04	0.13
	BS-200 [3]	U/L	157	133	—	181	8	BS-430 [13]	U/L	158	134	—	182	8
		μkat/L	2.62	2.22	—	3.02	0.13		μkat/L	2.64	2.24	—	3.04	0.13
	BS-200E [4]	U/L	148	126	—	170	7	BS-480 [14]	U/L	158	134	—	182	8
		μkat/L	2.47	2.10	—	2.84	0.12		μkat/L	2.64	2.24	—	3.04	0.13
	BS-230 [5]	U/L	158	134	—	182	8	BS-600 [15]	U/L	158	134	—	182	8
		μkat/L	2.64	2.24	—	3.04	0.13		μkat/L	2.64	2.24	—	3.04	0.13
	BS-240E [6]	U/L	154	131	—	177	8	BS-600M [16]	U/L	159	135	—	183	8
		μkat/L	2.57	2.19	—	2.96	0.13		μkat/L	2.66	2.25	—	3.06	0.13
	BS-300 [7]	U/L	158	134	—	182	8	BS-620M [17]	U/L	159	135	—	183	8
		μkat/L	2.64	2.24	—	3.04	0.13		μkat/L	2.66	2.25	—	3.06	0.13
	BS-330 [8]	U/L	157	133	—	181	8	BS-800 [18]	U/L	157	133	—	181	8
		μkat/L	2.62	2.22	—	3.02	0.13		μkat/L	2.62	2.22	—	3.02	0.13
	BS-330E [9]	U/L	148	126	—	170	7	BS-2000 [19]	U/L	156	133	—	179	8
		μkat/L	2.47	2.10	—	2.84	0.12		μkat/L	2.61	2.22	—	2.99	0.13
	BS-360E [10]	U/L	157	133	—	181	8	BS-2800M [20]	U/L	157	133	—	181	8
		μkat/L	2.62	2.22	—	3.02	0.13		μkat/L	2.62	2.22	—	3.02	0.13

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Abbreviated name	Model	Unit	Assay Value	Range(Assay Value±3SD)	1 SD	Model	Unit	Assay Value	Range(Assay Value±3SD)	1 SD
Mg II	BS-120 [1]	mmol/L	0.861	0.758 — 0.964	0.034	BS-380 [11]	mmol/L	0.858	0.755 — 0.961	0.034
		mg/dL	2.09	1.84 — 2.34	0.08		mg/dL	2.08	1.83 — 2.34	0.08
	BS-180 [2]	mmol/L	0.861	0.758 — 0.964	0.034	BS-400 [12]	mmol/L	0.858	0.755 — 0.961	0.034
		mg/dL	2.09	1.84 — 2.34	0.08		mg/dL	2.08	1.83 — 2.34	0.08
	BS-200 [3]	mmol/L	0.858	0.755 — 0.961	0.034	BS-430 [13]	mmol/L	0.847	0.745 — 0.949	0.034
		mg/dL	2.08	1.83 — 2.34	0.08		mg/dL	2.06	1.81 — 2.31	0.08
	BS-200E [4]	mmol/L	0.865	0.761 — 0.969	0.035	BS-480 [14]	mmol/L	0.847	0.745 — 0.949	0.034
		mg/dL	2.10	1.85 — 2.35	0.09		mg/dL	2.06	1.81 — 2.31	0.08
	BS-230 [5]	mmol/L	0.860	0.757 — 0.963	0.034	BS-600 [15]	mmol/L	0.853	0.751 — 0.955	0.034
		mg/dL	2.09	1.84 — 2.34	0.08		mg/dL	2.07	1.82 — 2.32	0.08
	BS-240E [6]	mmol/L	0.848	0.746 — 0.950	0.034	BS-600M [16]	mmol/L	0.862	0.759 — 0.965	0.034
		mg/dL	2.06	1.81 — 2.31	0.08		mg/dL	2.09	1.84 — 2.34	0.08
	BS-300 [7]	mmol/L	0.858	0.755 — 0.961	0.034	BS-620M [17]	mmol/L	0.862	0.759 — 0.965	0.034
		mg/dL	2.08	1.83 — 2.34	0.08		mg/dL	2.09	1.84 — 2.34	0.08
	BS-330 [8]	mmol/L	0.858	0.755 — 0.961	0.034	BS-800 [18]	mmol/L	0.847	0.745 — 0.949	0.034
		mg/dL	2.08	1.83 — 2.34	0.08		mg/dL	2.06	1.81 — 2.31	0.08
	BS-330E [9]	mmol/L	0.865	0.761 — 0.969	0.035	BS-2000 [19]	mmol/L	0.861	0.758 — 0.964	0.034
		mg/dL	2.10	1.85 — 2.35	0.09		mg/dL	2.09	1.84 — 2.34	0.08
	BS-360E [10]	mmol/L	0.860	0.757 — 0.963	0.034	BS-2800M [20]	mmol/L	0.853	0.751 — 0.955	0.034
		mg/dL	2.09	1.84 — 2.34	0.08		mg/dL	2.07	1.82 — 2.32	0.08
P	BS-120 [1]	mmol/L	1.21	1.03 — 1.39	0.06	BS-380 [11]	mmol/L	1.22	1.04 — 1.40	0.06
		mg/dL	3.75	3.19 — 4.31	0.19		mg/dL	3.78	3.22 — 4.34	0.19
	BS-180 [2]	mmol/L	1.21	1.03 — 1.39	0.06	BS-400 [12]	mmol/L	1.22	1.04 — 1.40	0.06
		mg/dL	3.75	3.19 — 4.31	0.19		mg/dL	3.78	3.22 — 4.34	0.19
	BS-200 [3]	mmol/L	1.21	1.03 — 1.39	0.06	BS-430 [13]	mmol/L	1.21	1.03 — 1.39	0.06
		mg/dL	3.75	3.19 — 4.31	0.19		mg/dL	3.75	3.19 — 4.31	0.19
	BS-200E [4]	mmol/L	1.23	1.05 — 1.41	0.06	BS-480 [14]	mmol/L	1.20	1.02 — 1.38	0.06
		mg/dL	3.81	3.26 — 4.37	0.19		mg/dL	3.72	3.16 — 4.28	0.19
	BS-230 [5]	mmol/L	1.23	1.05 — 1.41	0.06	BS-600 [15]	mmol/L	1.20	1.02 — 1.38	0.06
		mg/dL	3.81	3.26 — 4.37	0.19		mg/dL	3.72	3.16 — 4.28	0.19
	BS-240E [6]	mmol/L	1.21	1.03 — 1.39	0.06	BS-600M [16]	mmol/L	1.24	1.05 — 1.43	0.06
		mg/dL	3.75	3.19 — 4.31	0.19		mg/dL	3.84	3.26 — 4.43	0.19
	BS-300 [7]	mmol/L	1.21	1.03 — 1.39	0.06	BS-620M [17]	mmol/L	1.24	1.05 — 1.43	0.06
		mg/dL	3.75	3.19 — 4.31	0.19		mg/dL	3.84	3.26 — 4.43	0.19
	BS-330 [8]	mmol/L	1.21	1.03 — 1.39	0.06	BS-800 [18]	mmol/L	1.23	1.05 — 1.41	0.06
		mg/dL	3.75	3.19 — 4.31	0.19		mg/dL	3.81	3.26 — 4.37	0.19
	BS-330E [9]	mmol/L	1.23	1.05 — 1.41	0.06	BS-2000 [19]	mmol/L	1.23	1.05 — 1.41	0.06
		mg/dL	3.81	3.26 — 4.37	0.19		mg/dL	3.81	3.26 — 4.37	0.19
	BS-360E [10]	mmol/L	1.24	1.05 — 1.43	0.06	BS-2800M [20]	mmol/L	/	/ — /	/
		mg/dL	3.84	3.26 — 4.43	0.19		mg/dL	/	/ — /	/
P II	BS-120 [1]	mmol/L	1.20	1.02 — 1.38	0.06	BS-380 [11]	mmol/L	1.18	1.00 — 1.36	0.06
		mg/dL	3.72	3.16 — 4.28	0.19		mg/dL	3.66	3.10 — 4.22	0.19
	BS-180 [2]	mmol/L	1.20	1.02 — 1.38	0.06	BS-400 [12]	mmol/L	1.16	0.99 — 1.33	0.06
		mg/dL	3.72	3.16 — 4.28	0.19		mg/dL	3.60	3.07 — 4.12	0.19
	BS-200 [3]	mmol/L	1.17	0.99 — 1.35	0.06	BS-430 [13]	mmol/L	1.19	1.01 — 1.37	0.06
		mg/dL	3.63	3.07 — 4.19	0.19		mg/dL	3.69	3.13 — 4.25	0.19
	BS-200E [4]	mmol/L	1.18	1.00 — 1.36	0.06	BS-480 [14]	mmol/L	1.19	1.01 — 1.37	0.06
		mg/dL	3.66	3.10 — 4.22	0.19		mg/dL	3.69	3.13 — 4.25	0.19
	BS-230 [5]	mmol/L	1.20	1.02 — 1.38	0.06	BS-600 [15]	mmol/L	1.19	1.01 — 1.37	0.06
		mg/dL	3.72	3.16 — 4.28	0.19		mg/dL	3.69	3.13 — 4.25	0.19
	BS-240E [6]	mmol/L	1.17	0.99 — 1.35	0.06	BS-600M [16]	mmol/L	1.19	1.01 — 1.37	0.06
		mg/dL	3.63	3.07 — 4.19	0.19		mg/dL	3.69	3.13 — 4.25	0.19
	BS-300 [7]	mmol/L	1.20	1.02 — 1.38	0.06	BS-620M [17]	mmol/L	1.19	1.01 — 1.37	0.06
		mg/dL	3.72	3.16 — 4.28	0.19		mg/dL	3.69	3.13 — 4.25	0.19
	BS-330 [8]	mmol/L	1.17	0.99 — 1.35	0.06	BS-800 [18]	mmol/L	1.19	1.01 — 1.37	0.06
		mg/dL	3.63	3.07 — 4.19	0.19		mg/dL	3.69	3.13 — 4.25	0.19
	BS-330E [9]	mmol/L	1.18	1.00 — 1.36	0.06	BS-2000 [19]	mmol/L	1.20	1.02 — 1.38	0.06
		mg/dL	3.66	3.10 — 4.22	0.19		mg/dL	3.72	3.16 — 4.28	0.19
	BS-360E [10]	mmol/L	1.18	1.00 — 1.36	0.06	BS-2800M [20]	mmol/L	1.19	1.01 — 1.37	0.06
		mg/dL	3.66	3.10 — 4.22	0.19		mg/dL	3.69	3.13 — 4.25	0.19

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Abbreviated name	Model	Unit	Assay Value	Range(Assay Value±3SD)			1 SD	Model	Unit	Assay Value	Range(Assay Value±3SD)			1 SD
TP	BS-120 [1]	g/L	51.3	43.6	—	59.0	2.6	BS-380 [11]	g/L	50.3	42.8	—	57.8	2.5
	BS-180 [2]	g/L	51.3	43.6	—	59.0	2.6	BS-400 [12]	g/L	51.1	43.4	—	58.8	2.6
	BS-200 [3]	g/L	51.1	43.4	—	58.8	2.6	BS-430 [13]	g/L	50.5	42.9	—	58.1	2.5
	BS-200E [4]	g/L	51.5	43.8	—	59.2	2.6	BS-480 [14]	g/L	50.5	42.9	—	58.1	2.5
	BS-230 [5]	g/L	51.4	43.7	—	59.1	2.6	BS-600 [15]	g/L	50.5	42.9	—	58.1	2.5
	BS-240E [6]	g/L	50.9	43.3	—	58.5	2.5	BS-600M [15]	g/L	50.5	42.9	—	58.1	2.5
	BS-300 [7]	g/L	51.2	43.5	—	58.9	2.6	BS-620M [16]	g/L	50.5	42.9	—	58.1	2.5
	BS-330 [8]	g/L	51.1	43.4	—	58.8	2.6	BS-800 [16]	g/L	50.5	42.9	—	58.1	2.5
	BS-330E [9]	g/L	51.5	43.8	—	59.2	2.6	BS-2000 [17]	g/L	50.3	42.8	—	57.8	2.5
	BS-360E [10]	g/L	50.8	43.2	—	58.4	2.5	BS-2800M [18]	g/L	/	/	—	/	/
TP II	BS-120 [1]	g/L	50.5	42.9	—	58.1	2.5	BS-380 [11]	g/L	50.0	42.5	—	57.5	2.5
	BS-180 [2]	g/L	50.5	42.9	—	58.1	2.5	BS-400 [12]	g/L	50.0	42.5	—	57.5	2.5
	BS-200 [3]	g/L	50.5	42.9	—	58.1	2.5	BS-430 [13]	g/L	50.4	42.8	—	58.0	2.5
	BS-200E [4]	g/L	50.2	42.7	—	57.7	2.5	BS-480 [14]	g/L	50.3	42.8	—	57.8	2.5
	BS-230 [5]	g/L	50.7	43.1	—	58.3	2.5	BS-600 [15]	g/L	50.4	42.8	—	58.0	2.5
	BS-240E [6]	g/L	50.2	42.7	—	57.7	2.5	BS-600M [15]	g/L	50.7	43.1	—	58.3	2.5
	BS-300 [7]	g/L	50.4	42.8	—	58.0	2.5	BS-620M [16]	g/L	50.7	43.1	—	58.3	2.5
	BS-330 [8]	g/L	50.5	42.9	—	58.1	2.5	BS-800 [16]	g/L	50.4	42.8	—	58.0	2.5
	BS-330E [9]	g/L	50.2	42.7	—	57.7	2.5	BS-2000 [17]	g/L	50.2	42.7	—	57.7	2.5
	BS-360E [10]	g/L	50.2	42.7	—	57.7	2.5	BS-2800M [18]	g/L	50.6	43.0	—	58.2	2.5
TG	BS-120 [1]	mmol/L	1.25	1.08	—	1.42	0.06	BS-380 [11]	mmol/L	1.25	1.08	—	1.42	0.06
		mg/dL	111	96	—	126	5		mg/dL	111	96	—	126	5
	BS-180 [2]	mmol/L	1.25	1.08	—	1.42	0.06	BS-400 [12]	mmol/L	1.26	1.09	—	1.43	0.06
		mg/dL	111	96	—	126	5		mg/dL	112	96	—	127	5
	BS-200 [3]	mmol/L	1.26	1.09	—	1.43	0.06	BS-430 [13]	mmol/L	1.27	1.10	—	1.44	0.06
		mg/dL	112	96	—	127	5		mg/dL	112	97	—	127	5
	BS-200E [4]	mmol/L	1.25	1.08	—	1.42	0.06	BS-480 [14]	mmol/L	1.24	1.07	—	1.41	0.06
		mg/dL	111	96	—	126	5		mg/dL	110	95	—	125	5
	BS-230 [5]	mmol/L	1.25	1.08	—	1.42	0.06	BS-600 [15]	mmol/L	1.26	1.09	—	1.43	0.06
		mg/dL	111	96	—	126	5		mg/dL	112	96	—	127	5
	BS-240E [6]	mmol/L	1.27	1.10	—	1.44	0.06	BS-600M [16]	mmol/L	1.30	1.12	—	1.48	0.06
		mg/dL	112	97	—	127	5		mg/dL	115	99	—	131	5
	BS-300 [7]	mmol/L	1.27	1.10	—	1.44	0.06	BS-620M [17]	mmol/L	1.30	1.12	—	1.48	0.06
		mg/dL	112	97	—	127	5		mg/dL	115	99	—	131	5
	BS-330 [8]	mmol/L	1.26	1.09	—	1.43	0.06	BS-800 [18]	mmol/L	1.29	1.12	—	1.46	0.06
		mg/dL	112	96	—	127	5		mg/dL	114	99	—	129	5
	BS-330E [9]	mmol/L	1.25	1.08	—	1.42	0.06	BS-2000 [19]	mmol/L	1.29	1.12	—	1.46	0.06
		mg/dL	111	96	—	126	5		mg/dL	114	99	—	129	5
	BS-360E [10]	mmol/L	1.25	1.08	—	1.42	0.06	BS-2800M [20]	mmol/L	1.30	1.12	—	1.48	0.06
		mg/dL	111	96	—	126	5		mg/dL	115	99	—	131	5
UA	BS-120 [1]	μmol/L	308	266	—	350	14	BS-380 [11]	μmol/L	306	265	—	347	14
		mg/dL	5.18	4.47	—	5.88	0.24		mg/dL	5.14	4.45	—	5.83	0.24
	BS-180 [2]	μmol/L	308	266	—	350	14	BS-400 [12]	μmol/L	306	265	—	347	14
		mg/dL	5.18	4.47	—	5.88	0.24		mg/dL	5.14	4.45	—	5.83	0.24
	BS-200 [3]	μmol/L	300	260	—	341	14	BS-430 [13]	μmol/L	309	267	—	351	14
		mg/dL	5.04	4.37	—	5.73	0.24		mg/dL	5.19	4.49	—	5.90	0.24
	BS-200E [4]	μmol/L	306	265	—	347	14	BS-480 [14]	μmol/L	309	267	—	351	14
		mg/dL	5.14	4.45	—	5.83	0.24		mg/dL	5.19	4.49	—	5.90	0.24
	BS-230 [5]	μmol/L	307	266	—	348	14	BS-600 [15]	μmol/L	309	267	—	351	14
		mg/dL	5.16	4.47	—	5.85	0.24		mg/dL	5.19	4.49	—	5.90	0.24
	BS-240E [6]	μmol/L	309	267	—	351	14	BS-600M [16]	μmol/L	313	271	—	355	14
		mg/dL	5.19	4.49	—	5.90	0.24		mg/dL	5.26	4.55	—	5.97	0.24
	BS-300 [7]	μmol/L	306	265	—	347	14	BS-620M [17]	μmol/L	313	271	—	355	14
		mg/dL	5.14	4.45	—	5.83	0.24		mg/dL	5.26	4.55	—	5.97	0.24
	BS-330 [8]	μmol/L	300	260	—	341	14	BS-800 [18]	μmol/L	309	267	—	351	14
		mg/dL	5.04	4.37	—	5.73	0.24		mg/dL	5.19	4.49	—	5.90	0.24
	BS-330E [9]	μmol/L	306	265	—	347	14	BS-2000 [19]	μmol/L	307	266	—	348	14
		mg/dL	5.14	4.45	—	5.83	0.24		mg/dL	5.16	4.47	—	5.85	0.24
	BS-360E [10]	μmol/L	302	261	—	343	14	BS-2800M [20]	μmol/L	313	271	—	355	14
		mg/dL	5.08	4.39	—	5.76	0.24		mg/dL	5.26	4.55	—	5.97	0.24

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Abbreviated name	Model	Unit	Assay Value	Range(Assay Value±3SD)			1 SD	Model	Unit	Assay Value	Range(Assay Value±3SD)			1 SD
Urea	BS-120 [1]	mmol/L	6.77	5.75	—	7.79	0.34	BS-380 [11]	mmol/L	6.76	5.75	—	7.77	0.34
		mg/dL	40.7	34.5	—	46.8	2.0		mg/dL	40.6	34.5	—	46.7	2.0
	BS-180 [2]	mmol/L	6.77	5.75	—	7.79	0.34	BS-400 [12]	mmol/L	6.76	5.75	—	7.77	0.34
		mg/dL	40.7	34.5	—	46.8	2.0		mg/dL	40.6	34.5	—	46.7	2.0
	BS-200 [3]	mmol/L	6.77	5.75	—	7.79	0.34	BS-430 [13]	mmol/L	6.90	5.87	—	7.94	0.35
		mg/dL	40.7	34.5	—	46.8	2.0		mg/dL	41.4	35.3	—	47.7	2.1
	BS-200E [4]	mmol/L	6.92	5.88	—	7.96	0.35	BS-480 [14]	mmol/L	6.83	5.81	—	7.85	0.34
		mg/dL	41.6	35.3	—	47.8	2.1		mg/dL	41.0	34.9	—	47.1	2.0
	BS-230 [5]	mmol/L	6.80	5.78	—	7.82	0.34	BS-600 [15]	mmol/L	6.90	5.87	—	7.94	0.35
		mg/dL	40.8	34.7	—	47.0	2.0		mg/dL	41.4	35.3	—	47.7	2.1
	BS-240E [6]	mmol/L	6.84	5.81	—	7.87	0.34	BS-600M [16]	mmol/L	6.82	5.80	—	7.84	0.34
		mg/dL	41.1	34.9	—	47.3	2.0		mg/dL	41.0	34.8	—	47.1	2.0
	BS-300 [7]	mmol/L	6.76	5.75	—	7.77	0.34	BS-620M [17]	mmol/L	6.82	5.80	—	7.84	0.34
		mg/dL	40.6	34.5	—	46.7	2.0		mg/dL	41.0	34.8	—	47.1	2.0
	BS-330 [8]	mmol/L	6.77	5.75	—	7.79	0.34	BS-800 [18]	mmol/L	6.90	5.87	—	7.94	0.35
		mg/dL	40.7	34.5	—	46.8	2.0		mg/dL	41.4	35.3	—	47.7	2.1
	BS-330E [9]	mmol/L	6.92	5.88	—	7.96	0.35	BS-2000 [19]	mmol/L	6.89	5.86	—	7.92	0.34
		mg/dL	41.6	35.3	—	47.8	2.1		mg/dL	41.4	35.2	—	47.6	2.0
	BS-360E [10]	mmol/L	6.90	5.87	—	7.94	0.35	BS-2800M [20]	mmol/L	6.74	5.73	—	7.75	0.34
		mg/dL	41.4	35.3	—	47.7	2.1		mg/dL	40.5	34.4	—	46.5	2.0
LIP	BS-120 [1]	U/L	45.3	36.2	—	54.4	3.0	BS-380 [11]	U/L	44.5	35.6	—	53.4	3.0
		μkat/L	0.757	0.605	—	0.908	0.050		μkat/L	0.743	0.595	—	0.892	0.050
	BS-180 [2]	U/L	/	/	—	/	/	BS-400 [12]	U/L	44.5	35.6	—	53.4	3.0
		μkat/L	/	/	—	/	/		μkat/L	0.743	0.595	—	0.892	0.050
	BS-200 [3]	U/L	44.6	35.6	—	53.6	3.0	BS-430 [13]	U/L	45.5	36.4	—	54.6	3.0
		μkat/L	0.745	0.595	—	0.895	0.050		μkat/L	0.760	0.608	—	0.912	0.050
	BS-200E [4]	U/L	45.4	36.3	—	54.5	3.0	BS-480 [14]	U/L	45.1	36.0	—	54.2	3.0
		μkat/L	0.758	0.606	—	0.910	0.050		μkat/L	0.753	0.601	—	0.905	0.050
	BS-230 [5]	U/L	45.2	36.1	—	54.3	3.0	BS-600 [15]	U/L	45.1	36.0	—	54.2	3.0
		μkat/L	0.755	0.603	—	0.907	0.050		μkat/L	0.753	0.601	—	0.905	0.050
	BS-240E [6]	U/L	44.6	35.6	—	53.6	3.0	BS-600M [16]	U/L	45.2	36.1	—	54.3	3.0
		μkat/L	0.745	0.595	—	0.895	0.050		μkat/L	0.755	0.603	—	0.907	0.050
	BS-300 [7]	U/L	44.3	35.4	—	53.2	3.0	BS-620M [17]	U/L	45.2	36.1	—	54.3	3.0
		μkat/L	0.740	0.591	—	0.888	0.050		μkat/L	0.755	0.603	—	0.907	0.050
	BS-330 [8]	U/L	/	/	—	/	/	BS-800 [18]	U/L	45.1	36.0	—	54.2	3.0
		μkat/L	/	/	—	/	/		μkat/L	0.753	0.601	—	0.905	0.050
	BS-330E [9]	U/L	45.4	36.3	—	54.5	3.0	BS-2000 [19]	U/L	44.9	35.9	—	53.9	3.0
		μkat/L	0.758	0.606	—	0.910	0.050		μkat/L	0.750	0.600	—	0.900	0.050
	BS-360E [10]	U/L	44.3	35.4	—	53.2	3.0	BS-2800M [20]	U/L	44.9	35.9	—	53.9	3.0
		μkat/L	0.740	0.591	—	0.888	0.050		μkat/L	0.750	0.600	—	0.900	0.050
CHE	BS-200 [3]	U/L	5816	4647	—	6985	390	BS-400 [12]	U/L	5849	4673	—	7025	392
		μkat/L	97.1	77.6	—	116.6	6.5		μkat/L	97.7	78.0	—	117.3	6.5
	BS-200E [4]	U/L	5735	4582	—	6888	384	BS-430 [13]	U/L	5931	4739	—	7123	397
		μkat/L	95.8	76.5	—	115.0	6.4		μkat/L	99.0	79.1	—	119.0	6.6
	BS-230 [5]	U/L	5885	4702	—	7068	394	BS-480 [14]	U/L	5885	4702	—	7068	394
		μkat/L	98.3	78.5	—	118.0	6.6		μkat/L	98.3	78.5	—	118.0	6.6
	BS-240E [6]	U/L	5817	4648	—	6986	390	BS-600 [15]	U/L	5931	4739	—	7123	397
		μkat/L	97.1	77.6	—	116.7	6.5		μkat/L	99.0	79.1	—	119.0	6.6
	BS-300 [7]	U/L	5767	4608	—	6926	386	BS-600M [16]	U/L	5888	4705	—	7071	394
		μkat/L	96.3	77.0	—	115.7	6.4		μkat/L	98.3	78.6	—	118.1	6.6
	BS-330 [8]	U/L	/	/	—	/	/	BS-620M [17]	U/L	5888	4705	—	7071	394
		μkat/L	/	/	—	/	/		μkat/L	98.3	78.6	—	118.1	6.6
	BS-330E [9]	U/L	5735	4582	—	6888	384	BS-800 [18]	U/L	5931	4739	—	7123	397
		μkat/L	95.8	76.5	—	115.0	6.4		μkat/L	99.0	79.1	—	119.0	6.6
	BS-360E [10]	U/L	5809	4641	—	6977	389	BS-2000 [19]	U/L	5921	4731	—	7111	397
		μkat/L	97.0	77.5	—	116.5	6.5		μkat/L	98.9	79.0	—	118.8	6.6
	BS-380 [11]	U/L	5849	4673	—	7025	392	BS-2800M [20]	U/L	5888	4705	—	7071	394
		μkat/L	97.7	78.0	—	117.3	6.5		μkat/L	98.3	78.6	—	118.1	6.6

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Abbreviated name	Model	Unit	Assay Value	Range(Assay Value±3SD)			1 SD	Model	Unit	Assay Value	Range(Assay Value±3SD)			1 SD
Fe	BS-120 [1]	μmol/L	19.6	15.7	—	23.5	1.3	BS-380 [11]	μmol/L	19.6	15.7	—	23.5	1.3
		mg/L	1.10	0.88	—	1.32	0.07		mg/L	1.10	0.88	—	1.32	0.07
	BS-180 [2]	μmol/L	19.6	15.7	—	23.5	1.3	BS-400 [12]	μmol/L	19.4	15.5	—	23.3	1.3
		mg/L	1.10	0.88	—	1.32	0.07		mg/L	1.09	0.87	—	1.30	0.07
	BS-200 [3]	μmol/L	19.4	15.5	—	23.3	1.3	BS-430 [13]	μmol/L	19.3	15.4	—	23.2	1.3
		mg/L	1.09	0.87	—	1.30	0.07		mg/L	1.08	0.86	—	1.30	0.07
	BS-200E [4]	μmol/L	19.3	15.4	—	23.2	1.3	BS-480 [14]	μmol/L	19.3	15.4	—	23.2	1.3
		mg/L	1.08	0.86	—	1.30	0.07		mg/L	1.08	0.86	—	1.30	0.07
	BS-230 [5]	μmol/L	19.3	15.4	—	23.2	1.3	BS-600 [15]	μmol/L	19.3	15.4	—	23.2	1.3
		mg/L	1.08	0.86	—	1.30	0.07		mg/L	1.08	0.86	—	1.30	0.07
	BS-240E [6]	μmol/L	19.3	15.4	—	23.2	1.3	BS-600M [16]	μmol/L	19.3	15.4	—	23.2	1.3
		mg/L	1.08	0.86	—	1.30	0.07		mg/L	1.08	0.86	—	1.30	0.07
	BS-300 [7]	μmol/L	19.7	15.7	—	23.7	1.3	BS-620M [17]	μmol/L	19.3	15.4	—	23.2	1.3
		mg/L	1.10	0.88	—	1.33	0.07		mg/L	1.08	0.86	—	1.30	0.07
	BS-330 [8]	μmol/L	19.4	15.5	—	23.3	1.3	BS-800 [18]	μmol/L	19.4	15.5	—	23.3	1.3
		mg/L	1.09	0.87	—	1.30	0.07		mg/L	1.09	0.87	—	1.30	0.07
	BS-330E [9]	μmol/L	19.3	15.4	—	23.2	1.3	BS-2000 [19]	μmol/L	19.2	15.3	—	23.1	1.3
		mg/L	1.08	0.86	—	1.30	0.07		mg/L	1.08	0.86	—	1.29	0.07
	BS-360E [10]	μmol/L	19.4	15.5	—	23.3	1.3	BS-2800M [20]	μmol/L	19.5	15.6	—	23.4	1.3
		mg/L	1.09	0.87	—	1.30	0.07		mg/L	1.09	0.87	—	1.31	0.07
UIBC	BS-230 [5]	μmol/L	33.0	26.4	—	39.6	2.2	BS-600 [15]	μmol/L	31.6	25.2	—	38.0	2.1
		μg/dL	184	148	—	221	12		μg/dL	177	141	—	212	12
	BS-240E [6]	μmol/L	34.4	27.5	—	41.3	2.3	BS-600M [16]	μmol/L	33.2	26.5	—	39.9	2.2
		μg/dL	192	154	—	231	13		μg/dL	186	148	—	223	12
	BS-360E [10]	μmol/L	34.8	27.8	—	41.8	2.3	BS-620M [17]	μmol/L	33.2	26.5	—	39.9	2.2
		μg/dL	195	155	—	234	13		μg/dL	186	148	—	223	12
	BS-380 [11]	μmol/L	34.6	27.6	—	41.6	2.3	BS-800 [18]	μmol/L	31.6	25.2	—	38.0	2.1
		μg/dL	193	154	—	233	13		μg/dL	177	141	—	212	12
	BS-400 [12]	μmol/L	34.6	27.6	—	41.6	2.3	BS-2000 [19]	μmol/L	31.7	25.3	—	38.1	2.1
		μg/dL	193	154	—	233	13		μg/dL	177	141	—	213	12
	BS-430 [13]	μmol/L	31.6	25.2	—	38.0	2.1	BS-2800M [20]	μmol/L	30.9	24.7	—	37.1	2.1
		μg/dL	177	141	—	212	12		μg/dL	173	138	—	207	12
	BS-480 [14]	μmol/L	35.0	28.0	—	42.0	2.3							
		μg/dL	196	157	—	235	13							
ASOII	BS-200E [4]	IU/mL	119	77	—	161	14	BS-480 [14]	IU/mL	119	77	—	161	14
	BS-230 [5]	IU/mL	120	78	—	162	14	BS-600 [15]	IU/mL	119	77	—	161	14
	BS-240E [6]	IU/mL	119	77	—	161	14	BS-600M [16]	IU/mL	115	75	—	155	13
	BS-360E [10]	IU/mL	119	77	—	161	14	BS-620M [17]	IU/mL	115	75	—	155	13
	BS-380 [11]	IU/mL	119	77	—	161	14	BS-800 [18]	IU/mL	119	77	—	161	14
	BS-400 [12]	IU/mL	119	77	—	161	14	BS-2000 [19]	IU/mL	117	76	—	158	14
	BS-430 [13]	IU/mL	119	77	—	161	14	BS-2800M [20]	IU/mL	115	75	—	155	13
FER	BS-200E [4]	ng/mL	92.6	78.7	—	106.5	4.6	BS-480 [14]	ng/mL	89.8	76.3	—	103.3	4.5
		pmol/L	208	177	—	239	10		pmol/L	202	171	—	232	10
	BS-230 [5]	ng/mL	92.0	78.2	—	105.8	4.6	BS-600 [15]	ng/mL	89.8	76.3	—	103.3	4.5
		pmol/L	207	176	—	238	10		pmol/L	202	171	—	232	10
	BS-240E [6]	ng/mL	89.8	76.3	—	103.3	4.5	BS-600M [16]	ng/mL	87.2	74.1	—	100.3	4.4
		pmol/L	202	171	—	232	10		pmol/L	196	167	—	225	10
	BS-360E [10]	ng/mL	89.8	76.3	—	103.3	4.5	BS-620M [17]	ng/mL	87.2	74.1	—	100.3	4.4
		pmol/L	202	171	—	232	10		pmol/L	196	167	—	225	10
	BS-380 [11]	ng/mL	92.6	78.7	—	106.5	4.6	BS-800 [18]	ng/mL	89.8	76.3	—	103.3	4.5
		pmol/L	208	177	—	239	10		pmol/L	202	171	—	232	10
	BS-400 [12]	ng/mL	92.6	78.7	—	106.5	4.6	BS-2000 [19]	ng/mL	87.3	74.2	—	100.4	4.4
		pmol/L	208	177	—	239	10		pmol/L	196	167	—	226	10
	BS-430 [13]	ng/mL	89.8	76.3	—	103.3	4.5	BS-2800M [20]	ng/mL	87.2	74.1	—	100.3	4.4
		pmol/L	202	171	—	232	10		pmol/L	196	167	—	225	10

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Abbreviated name	Model	Unit	Assay Value	Range(Assay Value±3SD)			1 SD	Model	Unit	Assay Value	Range(Assay Value±3SD)			1 SD
HS-CRP (Remark 5: The target value of HS-CRP in BS-240 is only applicable to BS-240)	BS-120 [1]	mg/L	/	/	—	/	/	BS-380 [11]	mg/L	6.03	4.22	—	7.84	0.60
		nmol/L	/	/	—	/	/		nmol/L	57.4	40.2	—	74.6	5.7
	BS-180 [2]	mg/L	/	/	—	/	/	BS-400 [12]	mg/L	6.07	4.25	—	7.89	0.61
		nmol/L	/	/	—	/	/		nmol/L	57.8	40.5	—	75.1	5.8
	BS-200 [3]	mg/L	/	/	—	/	/	BS-430 [13]	mg/L	6.08	4.26	—	7.90	0.61
		nmol/L	/	/	—	/	/		nmol/L	57.9	40.6	—	75.2	5.8
	BS-200E [4]	mg/L	6.65	4.66	—	8.65	0.67	BS-480 [14]	mg/L	6.08	4.26	—	7.90	0.61
		nmol/L	63.3	44.4	—	82.3	6.4		nmol/L	57.9	40.6	—	75.2	5.8
	BS-230 [5]	mg/L	5.96	4.17	—	7.75	0.60	BS-600 [15]	mg/L	6.08	4.26	—	7.90	0.61
		nmol/L	56.7	39.7	—	73.8	5.7		nmol/L	57.9	40.6	—	75.2	5.8
	BS-240E [6]	mg/L	7.08	4.96	—	9.20	0.71	BS-600M [16]	mg/L	6.06	4.24	—	7.88	0.61
		nmol/L	67.4	47.2	—	87.6	6.8		nmol/L	57.7	40.4	—	75.0	5.8
	BS-300 [7]	mg/L	6.03	4.22	—	7.84	0.60	BS-620M [17]	mg/L	6.06	4.24	—	7.88	0.61
		nmol/L	57.4	40.2	—	74.6	5.7		nmol/L	57.7	40.4	—	75.0	5.8
	BS-330 [8]	mg/L	/	/	—	/	/	BS-800 [18]	mg/L	6.08	4.26	—	7.90	0.61
		nmol/L	/	/	—	/	/		nmol/L	57.9	40.6	—	75.2	5.8
	BS-330E [9]	mg/L	6.65	4.66	—	8.65	0.67	BS-2000 [19]	mg/L	6.07	4.25	—	7.89	0.61
		nmol/L	63.3	44.4	—	82.3	6.4		nmol/L	57.8	40.5	—	75.1	5.8
	BS-360E [10]	mg/L	6.08	4.26	—	7.90	0.61	BS-2800M [20]	mg/L	6.06	4.24	—	7.88	0.61
		nmol/L	57.9	40.6	—	75.2	5.8		nmol/L	57.7	40.4	—	75.0	5.8
TRF	BS-120 [1]	g/L	1.99	1.69	—	2.29	0.10	BS-430 [13]	g/L	2.04	1.73	—	2.35	0.10
		μmol/L	25.1	21.3	—	28.9	1.3		μmol/L	25.7	21.8	—	29.6	1.3
	BS-180 [2]	g/L	/	/	—	/	/	BS-480 [14]	g/L	2.06	1.75	—	2.37	0.10
		μmol/L	/	/	—	/	/		μmol/L	26.0	22.1	—	29.9	1.3
	BS-200 [3]	g/L	2.03	1.73	—	2.33	0.10	BS-600 [15]	g/L	2.02	1.72	—	2.32	0.10
		μmol/L	25.6	21.8	—	29.4	1.3		μmol/L	25.5	21.7	—	29.2	1.3
	BS-200E [4]	g/L	2.07	1.76	—	2.38	0.10	BS-600M [16]	g/L	2.01	1.71	—	2.31	0.10
		μmol/L	26.1	22.2	—	30.0	1.3		μmol/L	25.3	21.5	—	29.1	1.3
	BS-230 [5]	g/L	1.97	1.67	—	2.27	0.10	BS-620M [17]	g/L	2.01	1.71	—	2.31	0.10
		μmol/L	24.8	21.0	—	28.6	1.3		μmol/L	25.3	21.5	—	29.1	1.3
	BS-240E [6]	g/L	2.02	1.72	—	2.32	0.10	BS-800 [18]	g/L	2.06	1.75	—	2.37	0.10
		μmol/L	25.5	21.7	—	29.2	1.3		μmol/L	26.0	22.1	—	29.9	1.3
	BS-360E [10]	g/L	2.03	1.73	—	2.33	0.10	BS-2000 [19]	g/L	1.99	1.69	—	2.29	0.10
		μmol/L	25.6	21.8	—	29.4	1.3		μmol/L	25.1	21.3	—	28.9	1.3
	BS-380 [11]	g/L	2.07	1.76	—	2.38	0.10	BS-2800M [20]	g/L	2.01	1.71	—	2.31	0.10
		μmol/L	26.1	22.2	—	30.0	1.3		μmol/L	25.3	21.5	—	29.1	1.3
	BS-400 [12]	g/L	2.07	1.76	—	2.38	0.10							
		μmol/L	26.1	22.2	—	30.0	1.3							
Na^+	BS-120 [1]	mmol/L	124	112	—	136	4	BS-380 [11]	mmol/L	122	110	—	134	4
	BS-180 [2]	mmol/L	124	112	—	136	4	BS-400 [12]	mmol/L	124	112	—	136	4
	BS-200 [3]	mmol/L	124	112	—	136	4	BS-430 [13]	mmol/L	122	110	—	134	4
	BS-200E [4]	mmol/L	124	112	—	136	4	BS-480 [14]	mmol/L	123	111	—	135	4
	BS-230 [5]	mmol/L	124	112	—	136	4	BS-600 [15]	mmol/L	120	108	—	132	4
	BS-240E [6]	mmol/L	119	107	—	131	4	BS-600M [16]	mmol/L	121	109	—	133	4
	BS-300 [7]	mmol/L	124	112	—	136	4	BS-620M [17]	mmol/L	121	109	—	133	4
	BS-330 [8]	mmol/L	124	112	—	136	4	BS-800 [18]	mmol/L	113	102	—	124	4
	BS-330E [9]	mmol/L	124	112	—	136	4	BS-2000 [19]	mmol/L	113	102	—	124	4
	BS-360E [10]	mmol/L	124	112	—	136	4	BS-2800M [20]	mmol/L	112	101	—	123	4

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ClinChem Multi Control (Level 1) *Please note the target value change

Abbreviated name	Model	Unit	Assay Value	Range(Assay Value±3SD)			1 SD	Model	Unit	Assay Value	Range(Assay Value±3SD)			1 SD
K^+	**BS-120** [1]	mmol/L	3.74	3.37	—	4.11	0.12	**BS-380** [11]	mmol/L	3.68	3.32	—	4.04	0.12
	BS-180 [2]	mmol/L	3.74	3.37	—	4.11	0.12	**BS-400** [12]	mmol/L	3.74	3.37	—	4.11	0.12
	BS-200 [3]	mmol/L	3.74	3.37	—	4.11	0.12	**BS-430** [13]	mmol/L	3.67	3.31	—	4.03	0.12
	BS-200E [4]	mmol/L	3.74	3.37	—	4.11	0.12	**BS-480** [14]	mmol/L	3.70	3.33	—	4.07	0.12
	BS-230 [5]	mmol/L	3.74	3.37	—	4.11	0.12	**BS-600** [15]	mmol/L	3.63	3.27	—	3.99	0.12
	BS-240E [6]	mmol/L	3.61	3.25	—	3.97	0.12	**BS-600M** [16]	mmol/L	3.89	3.50	—	4.28	0.13
	BS-300 [7]	mmol/L	3.74	3.37	—	4.11	0.12	**BS-620M** [17]	mmol/L	3.89	3.50	—	4.28	0.13
	BS-330 [8]	mmol/L	3.74	3.37	—	4.11	0.12	**BS-800** [18]	mmol/L	3.55	3.20	—	3.90	0.12
	BS-330E [9]	mmol/L	3.74	3.37	—	4.11	0.12	**BS-2000** [19]	mmol/L	3.55	3.20	—	3.90	0.12
	BS-360E [10]	mmol/L	3.74	3.37	—	4.11	0.12	**BS-2800M** [20]	mmol/L	3.55	3.20	—	3.90	0.12
Cl^-	**BS-120** [1]	mmol/L	90.0	81.1	—	98.9	3.0	**BS-380** [11]	mmol/L	89.5	80.6	—	98.4	3.0
	BS-180 [2]	mmol/L	90.0	81.1	—	98.9	3.0	**BS-400** [12]	mmol/L	90.0	81.1	—	98.9	3.0
	BS-200 [3]	mmol/L	90.0	81.1	—	98.9	3.0	**BS-430** [13]	mmol/L	88.2	79.5	—	96.9	2.9
	BS-200E [4]	mmol/L	90.0	81.1	—	98.9	3.0	**BS-480** [14]	mmol/L	90.3	81.4	—	99.2	3.0
	BS-230 [5]	mmol/L	90.0	81.1	—	98.9	3.0	**BS-600** [15]	mmol/L	84.9	76.5	—	93.3	2.8
	BS-240E [6]	mmol/L	87.4	78.7	—	96.1	2.9	**BS-600M** [16]	mmol/L	90.5	81.5	—	99.5	3.0
	BS-300 [7]	mmol/L	90.0	81.1	—	98.9	3.0	**BS-620M** [17]	mmol/L	90.5	81.5	—	99.5	3.0
	BS-330 [8]	mmol/L	90.0	81.1	—	98.9	3.0	**BS-800** [18]	mmol/L	88.7	79.9	—	97.5	2.9
	BS-330E [9]	mmol/L	90.0	81.1	—	98.9	3.0	**BS-2000** [19]	mmol/L	88.7	79.9	—	97.5	2.9
	BS-360E [10]	mmol/L	90.0	81.1	—	98.9	3.0	**BS-2800M** [20]	mmol/L	88.7	79.9	—	97.5	2.9

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