

## 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

This Lot is the new version Bil-D reagent, the updated calibrator value sheet is inside the box. Please select the corresponding value and update.

The data of each group is same.

Русский: Данные совпадают во всех группах.

Português: A dados de cada grupo é a mesma.

Español: la datos de cada grupo es la misma.

Italiano: la dati di ogni gruppo è la stessa.

Türkçe: her grubun veri aynıdır.

1. **BS-120**: BS-120, BS-130;

10. **BS-360E**: BS-360E, BS-370E, BS-350S, BS-360S,

2. **BS-180**: BS-180, BS-190;

**BS-330E(V35.00)**(Serial Number starts with "W8-"  
and software version starts with "35.00"),

3. **BS-200**: BS-200, BS-220;

**BS-350E(V35.00)** (Serial Number starts with "W9-"  
and software version starts with "35.00");

4. **BS-200E**: BS-200E, BS-220E;

11. **BS-380**: BS-380, BS-390;

5. **BS-230**: BS-230, BS-240, BS-240VET;

12. **BS-400**: BS-400, BS-420;

6. **BS-240E**: BS240E, BS240Pro;

13. **BS-430**: BS-430, BS-450, BS-460;

7. **BS-300**: BS-300, BS-320;

14. **BS-480**: BS-480, BS-490;

8. **BS-330**: BS-330, BS-350;

15. **BS-600**: BS-600, BS-620;

9. **BS-330E**: **BS-330E**(Serial Number starts with "XQ-"),

16. **BS-800**: BS-800, BS-820, BS-800M, BS-820M,

BS-1800, BS-1800plus;

**BS-350E**(Serial Number starts with "XS-");

17. **BS-2000**: BS-2000, BS-2200, BS-2000M, BS-2200M;

18. **BS-2800M**: BS-2600M.

**LOT**: 150122001

**EXP**: 2023-06-30

Abbreviated name	Unit	Calibration Value								
		BS-120 <sup>1</sup>	BS-180 <sup>2</sup>	BS-200 <sup>3</sup>	BS-200E <sup>4</sup>	BS-230 <sup>5</sup>	BS-240E <sup>6</sup>	BS-300 <sup>7</sup>	BS-330 <sup>8</sup>	BS-330E <sup>9</sup>
<b>ALB II</b>	g/L	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
	µmol/L	518	518	518	518	518	518	518	518	518
<b>ALP</b>	U/L	216	216	216	216	216	216	216	216	216
	µkat/L	3.61	3.61	3.61	3.61	3.61	3.61	3.61	3.61	3.61
<b>ALT</b>	U/L	110	110	110	110	110	110	110	110	110
	µkat/L	1.84	1.84	1.84	1.84	1.84	1.84	1.84	1.84	1.84
<b>α-AMY</b>	U/L	212	212	212	212	212	212	212	212	212
	µkat/L	3.54	3.54	3.54	3.54	3.54	3.54	3.54	3.54	3.54
<b>AST</b>	U/L	114	114	114	114	114	114	114	114	114
	µkat/L	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
<b>Bil-D(DSA) II</b>	µmol/L	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
	mg/dL	2.65	2.65	2.65	2.65	2.65	2.65	2.65	2.65	2.65
<b>Bil-D(VOX)</b> (after 21004)	µmol/L	40.5	40.5	40.5	40.5	41.3	40.5	40.5	40.5	40.5
	mg/dL	2.37	2.37	2.37	2.37	2.42	2.37	2.37	2.37	2.37
<b>Bil-D(VOX)</b> (before 21003)	µmol/L	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
	mg/dL	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71
<b>Bil-T(DSA) II</b>	µmol/L	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
	mg/dL	5.06	5.06	5.06	5.06	5.06	5.06	5.06	5.06	5.06

\*Note: "after 21004" means this reference value is only applicable to 140721004 and subsequent batch Bil-D(VOX) reagents, "before 21003" means this reference value is only applicable to 140721004 and before batch Bil-D(VOX) reagents.

# Multi Sera Calibrator

\*Please note the target value change 

Abbreviated name	Unit	Calibration Value								
		BS-120 <sup>1</sup>	BS-180 <sup>2</sup>	BS-200 <sup>3</sup>	BS-200E <sup>4</sup>	BS-230 <sup>5</sup>	BS-240E <sup>6</sup>	BS-300 <sup>7</sup>	BS-330 <sup>8</sup>	BS-330E <sup>9</sup>
Bil-T(VOX)	μmol/L	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
	mg/dL	4.61	4.61	4.61	4.61	4.61	4.61	4.61	4.61	4.61
Ca	mmol/L	2.76	2.76	2.76	2.76	2.76	2.76	2.65	2.76	2.76
	mg/dL	11.1	11.1	11.1	11.1	11.1	11.1	10.6	11.1	11.1
TC	mmol/L	4.08	4.08	4.08	4.08	4.08	4.08	4.08	4.08	4.08
	mg/dL	158	158	158	158	158	158	158	158	158
CK	U/L	350	350	350	350	350	350	350	350	350
	μkat/L	5.85	5.85	5.85	5.85	5.85	5.85	5.85	5.85	5.85
Crea(SOX)	μmol/L	358	358	358	356	358	358	356	358	356
	mg/dL	4.05	4.05	4.05	4.03	4.05	4.05	4.03	4.05	4.03
GLU(GOD)	mmol/L	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
	mg/dL	193	193	193	193	193	193	193	193	193
GLU(HK)	mmol/L	10.9	10.9	10.9	10.9	10.9	10.7	10.9	10.9	10.9
	mg/dL	196	196	196	196	196	193	196	196	196
GGT	U/L	146	146	146	146	146	146	146	146	146
	μkat/L	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44
α-HBDH	U/L	279	279	279	279	279	279	279	279	279
	μkat/L	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66
LDH	U/L	252	252	252	252	252	252	252	252	252
	μkat/L	4.21	4.21	4.21	4.21	4.21	4.21	4.21	4.21	4.21
Mg II	mmol/L	1.17	1.17	1.17	1.17	1.17	1.15	1.15	1.17	1.17
	mg/dL	2.84	2.84	2.84	2.84	2.84	2.79	2.79	2.84	2.84
P	mmol/L	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59
	mg/dL	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93
TP	g/L	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
P II	mmol/L	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71
	mg/dL	5.30	5.30	5.30	5.30	5.30	5.30	5.30	5.30	5.30
TP II	g/L	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
TG	mmol/L	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51
	mg/dL	134	134	134	134	134	134	134	134	134
UA	μmol/L	308	308	308	308	308	308	308	308	308
	mg/dL	5.18	5.18	5.18	5.18	5.18	5.18	5.18	5.18	5.18
Urea	mmol/L	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
	mg/dL	103	103	103	103	103	103	103	103	103
LIP	U/L	89.4	/	89.4	89.4	89.4	89.4	89.4	/	89.4
	μkat/L	1.49	/	1.49	1.49	1.49	1.49	1.49	/	1.49
CHE	U/L	/	/	5043	5043	5043	5043	5043	/	5043
	μkat/L	/	/	84.2	84.2	84.2	84.2	84.2	/	84.2

Abbreviated name	Unit	Calibration Value									
		BS-360E <sup>10</sup>	BS-380 <sup>11</sup>	BS-400 <sup>12</sup>	BS-430 <sup>13</sup>	BS-480 <sup>14</sup>	BS-600 <sup>15</sup>	BS-800 <sup>16</sup>	BS-2000 <sup>17</sup>	BS-2800M <sup>18</sup>	
ALB II	g/L	34.1	34.1	34.1	34.1	35.0	34.1	34.1	34.2	35.0	
	μmol/L	518	518	518	518	532	518	518	520	532	
ALP	U/L	216	216	216	216	216	216	216	217	216	
	μkat/L	3.61	3.61	3.61	3.61	3.61	3.61	3.61	3.62	3.61	
ALT	U/L	110	110	110	110	110	110	110	110	111	
	μkat/L	1.84	1.84	1.84	1.84	1.84	1.84	1.84	1.84	1.85	
α-AMY	U/L	212	212	212	212	212	212	212	214	215	
	μkat/L	3.54	3.54	3.54	3.54	3.54	3.54	3.54	3.57	3.59	
AST	U/L	114	114	114	114	114	114	114	114	114	
	μkat/L	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	
Bil-D(DSA) II	μmol/L	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	46.0	
	mg/dL	2.65	2.65	2.65	2.65	2.65	2.65	2.65	2.65	2.69	
Bil-D(VOX) (after 21004)	μmol/L	40.5	40.9	40.9	40.9	40.5	40.9	40.5	40.3	40.8	
	mg/dL	2.37	2.39	2.39	2.39	2.37	2.39	2.37	2.36	2.39	
Bil-D(VOX) (before 21003)	μmol/L	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.8	46.5	
	mg/dL	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.74	2.72	
Bil-T(DSA) II	μmol/L	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.8	87.5	
	mg/dL	5.06	5.06	5.06	5.06	5.06	5.06	5.06	5.08	5.12	
Bil-T(VOX)	μmol/L	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.7	78.4	
	mg/dL	4.61	4.61	4.61	4.61	4.61	4.61	4.61	4.60	4.58	
Ca	mmol/L	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.79	2.75	
	mg/dL	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.2	11.0	
TC	mmol/L	4.08	4.08	4.08	4.08	4.08	4.08	4.08	4.08	4.10	
	mg/dL	158	158	158	158	158	158	158	158	159	
CK	U/L	350	350	350	350	350	350	350	350	353	
	μkat/L	5.85	5.85	5.85	5.85	5.85	5.85	5.85	5.85	5.90	
Crea(SOX)	μmol/L	358	356	358	358	358	358	338	339	340	
	mg/dL	4.05	4.03	4.05	4.05	4.05	4.05	3.82	3.83	3.85	
GLU(GOD)	mmol/L	10.7	10.7	10.7	10.7	10.7	10.7	10.5	10.7	10.8	
	mg/dL	193	193	193	193	193	193	189	193	195	
GLU(HK)	mmol/L	10.7	10.9	10.9	10.7	10.7	10.7	10.7	10.9	11.0	
	mg/dL	193	196	196	193	193	193	193	196	198	
GGT	U/L	146	146	146	146	146	146	146	146	146	
	μkat/L	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	
α-HBDH	U/L	279	279	279	279	279	279	279	282	282	
	μkat/L	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.71	4.71	
LDH	U/L	252	252	252	252	252	252	252	253	252	
	μkat/L	4.21	4.21	4.21	4.21	4.21	4.21	4.21	4.23	4.21	
Mg II	mmol/L	1.17	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.17	
	mg/dL	2.84	2.79	2.79	2.79	2.79	2.79	2.79	2.79	2.84	
P	mmol/L	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.61	/	
	mg/dL	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.99	/	
TP	g/L	53.8	53.8	53.8	53.8	53.8	53.8	53.8	54.3	/	
P II	mmol/L	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.72	1.73	
	mg/dL	5.30	5.30	5.30	5.30	5.30	5.30	5.30	5.33	5.36	
TP II	g/L	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.2	52.8	
TG	mmol/L	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.53	1.56	
	mg/dL	134	134	134	134	134	134	134	135	138	

\*Note: "after 21004" means this reference value is only applicable to 140721004 and subsequent batch Bil-D(VOX) reagents, "before 21003" means this reference value is only applicable to 140721004 and and before batch Bil-D(VOX) reagents.

Abbreviated name	Unit	Calibration Value								
		BS-360E <sup>10</sup>	BS-380 <sup>11</sup>	BS-400 <sup>12</sup>	BS-430 <sup>13</sup>	BS-480 <sup>14</sup>	BS-600 <sup>15</sup>	BS-800 <sup>16</sup>	BS-2000 <sup>17</sup>	BS-2800M <sup>18</sup>
UA	μmol/L	308	308	308	308	308	308	308	310	316
	mg/dL	5.18	5.18	5.18	5.18	5.18	5.18	5.18	5.21	5.31
Urea	mmol/L	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.0
	mg/dL	103	103	103	103	103	103	103	103	102
LIP	U/L	89.4	89.4	89.4	89.4	89.4	89.4	89.4	90.3	91.8
	μkat/L	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.51	1.53
CHE	U/L	5043	5043	5043	5043	5043	5043	5043	5091	5090
	μkat/L	84.2	84.2	84.2	84.2	84.2	84.2	84.2	85.0	85.0

English	Abbreviated name	Unit	Calibration Rule
Русский	сокращенное наименование	Прибор	Принцип калибровки
Português	Nome abreviado	Unidade	Regra de calibração
Español	nombre abreviado	Unidad	Regla de calibración
Italiano	abbreviazione	Unità	Regola di calibrazione
Türkçe	kısaltılmış ad	Ünite	Kalibrasyon Kuralı

	ALB	ALP	ALT	α-AMY
English	Albumin	Alkaline Phosphatase	Alanine Aminotransferase	α-Amylase
Русский	Альбумин	Щелочная фосфатаза	Аланинаминотрансфераза	α-амилаза
Português	Albumina	Fosfatase Alcalina	Alanina Aminotransferase	α-Amilase
Español	Albúmina	Fosfatasa alcalina	Alanina aminotransferasa	α-amilasa
Italiano	Albumina	Fosfatasi alcalina	Alanina aminotransferasi	α-amilasi
Türkçe	Albümin	Alkalın fosfataz	Alanin Aminotransferaz	α-Amilaz

	AST	Bil-D	Bil-T	Ca
English	Aspartate Aminotransferase	Direct Bilirubin	Total Bilirubin	Calcium
Русский	Аспартатаминотрансфераза	Прямой билирубин	Общий билирубин	Кальций
Português	Aspartato aminotransferase	Bilirrubina Direta	Bilirrubina Total	Cálcio
Español	Aspartato aminotransferasa	Bilirrubina directa	Bilirrubina total	Calcio
Italiano	Aspartato aminotransferasi	Bilirubina diretta	Bilirubina totale	Calcio
Türkçe	Aspartat Aminotransferaz	Direkt Bilirubin	Toplam Bilirubin	Kalsiyum

	TC	CK	Crea	GLU	GGT
English	Total Cholesterol	Creatine Kinase	Creatinine	Glucose	Gamma-Glutamyltransferase
Русский	Общий холестерин	Креатинкиназа	Креатинин	Глюкоза	Гамма-глутамилтрансфераза
Português	Colesterol Total	Creatina Quinase	Creatinina	Glicose	Gama Glutamil Transferase
Español	Colesterol total	Creatina quinasa	Creatinina	Glucosa	Gamma-Glutamiltransferasa
Italiano	Colesterolo totale	Creatina chinasi	Creatinina	Glucosio	Gamma-glutamiltransferasi
Türkçe	Toplam Kolesterol	Kreatin Kinaz	Kreatinin	Glikoz	Gama-Glutamiltransferaz

	α-HBDH	LDH	Mg	P
English	α-Hydroxybutyrate Dehydrogenase	Lactate Dehydrogenase	Magnesium	Phosphorus
Русский	α-гидроксibuтиратдегидрогеназа	Лактатдегидрогеназа	Магний	Фосфор
Português	α-Hidroxibutirato Desidrogenase	Lactato Desidrogenase	Magnésio	Fósforo
Español	α-hidroxibutirato deshidrogenasa	lactato deshidrogenasa	Magnesio	Fósforo
Italiano	α-idrossibutirrato deidrogenasi	Lattato deidrogenasi	Magnesio	Fosforo
Türkçe	α-Hidroksibutirat Dehidrojenaz	Laktat Dehidrojenaz	Magnezyum	Fosfor

	TP	TG	UA	Urea	LIP	CHE
English	Total Protein	Triglycerides	Uric Acid	Urea	Lipase	Cholinesterase
Русский	Общий белок	Триглицериды	Мочевая кислота	Мочевина	Липаза	Холинэстераза
Português	Proteína Total	Triglicerídeos	Ácido Úrico	Ureia	Lipase	Colinesterase
Español	Proteínas totales	Triglicéridos	Ácido úrico	Urea	Lipasa	Colinesterasa
Italiano	Proteina totale	Trigliceridi	Acido urico	Urea	lipasi	colinesterasi
Türkçe	Toplam Protein	Trigliserit	Ürik Asit	Üre	lipasi	Kolinesteraz