

## 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,  
**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");

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

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

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

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

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

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

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

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

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

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

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

16. **BS-600M**: BS-600M;

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

17. **BS-620M**: BS-620M;

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

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

BS-1800, BS-1800plus;

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

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

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

**LOT** : 150122009

: 2024-07-21

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>	BS-360E <sup>10</sup>
<b>ALB II</b>	g/L	34.6	34.6	34.6	35.3	34.6	34.6	34.6	34.6	35.3	34.6
	µmol/L	526	526	526	537	526	526	526	526	537	526
<b>ALP</b>	U/L	250	250	250	250	250	250	250	250	250	250
	µkat/L	4.18	4.18	4.18	4.18	4.18	4.18	4.18	4.18	4.18	4.18
<b>ALT</b>	U/L	107	107	107	105	107	105	105	107	105	105
	µkat/L	1.79	1.79	1.79	1.75	1.79	1.75	1.75	1.79	1.75	1.75
<b>α-AMY</b>	U/L	197	197	197	197	197	197	197	197	197	197
	µkat/L	3.29	3.29	3.29	3.29	3.29	3.29	3.29	3.29	3.29	3.29
<b>AST</b>	U/L	109	109	109	109	109	109	109	109	109	109
	µkat/L	1.82	1.82	1.82	1.82	1.82	1.82	1.82	1.82	1.82	1.82
<b>Bil-D(DSA) II</b>	µmol/L	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
	mg/dL	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77
<b>Bil-D(VOX)</b> (after 21004)	µmol/L	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
	mg/dL	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25
<b>Bil-D(VOX)</b> (before 21003)	µmol/L	/	/	/	/	/	/	/	/	/	/
	mg/dL	/	/	/	/	/	/	/	/	/	/
<b>Bil-T(DSA) II</b>	µmol/L	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
	mg/dL	4.73	4.73	4.73	4.73	4.73	4.73	4.73	4.73	4.73	4.73

\*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.

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>	BS-360E <sup>10</sup>
<b>Bil-T(VOX)</b>	μmol/L	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
	mg/dL	4.02	4.02	4.02	4.02	4.02	4.02	4.02	4.02	4.02	4.02
<b>Ca</b>	mmol/L	2.66	2.66	2.66	2.58	2.66	2.66	2.55	2.66	2.58	2.66
	mg/dL	10.7	10.7	10.7	10.3	10.7	10.7	10.2	10.7	10.3	10.7
<b>TC</b>	mmol/L	4.21	4.21	4.21	4.21	4.21	4.21	4.21	4.21	4.21	4.21
	mg/dL	163	163	163	163	163	163	163	163	163	163
<b>CK</b>	U/L	365	365	365	365	365	365	365	365	365	365
	μkat/L	6.10	6.10	6.10	6.10	6.10	6.10	6.10	6.10	6.10	6.10
<b>Crea(SOX)</b>	μmol/L	362	362	362	362	362	362	362	362	362	362
	mg/dL	4.10	4.10	4.10	4.10	4.10	4.10	4.10	4.10	4.10	4.10
<b>GLU(GOD)</b>	mmol/L	10.9	10.9	10.9	11.0	10.9	10.9	10.9	10.9	11.0	10.9
	mg/dL	196	196	196	198	196	196	196	196	198	196
<b>GLU(HK)</b>	mmol/L	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
	mg/dL	198	198	198	198	198	198	198	198	198	198
<b>GGT</b>	U/L	115	115	115	117	115	117	117	115	117	117
	μkat/L	1.92	1.92	1.92	1.95	1.92	1.95	1.95	1.92	1.95	1.95
<b>α-HBDH</b>	U/L	288	288	288	288	288	288	288	288	288	288
	μkat/L	4.81	4.81	4.81	4.81	4.81	4.81	4.81	4.81	4.81	4.81
<b>LDH</b>	U/L	257	257	257	257	257	257	257	257	257	257
	μkat/L	4.29	4.29	4.29	4.29	4.29	4.29	4.29	4.29	4.29	4.29
<b>Mg II</b>	mmol/L	1.19	1.19	1.19	1.21	1.19	1.18	1.17	1.19	1.21	1.21
	mg/dL	2.89	2.89	2.89	2.94	2.89	2.87	2.84	2.89	2.94	2.94
<b>P</b>	mmol/L	1.63	1.63	1.65	1.63	1.63	1.63	1.63	1.65	1.63	1.65
	mg/dL	5.05	5.05	5.12	5.05	5.05	5.05	5.05	5.12	5.05	5.12
<b>TP</b>	g/L	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
<b>P II</b>	mmol/L	1.70	1.70	1.70	1.72	1.70	1.70	1.71	1.70	1.72	1.70
	mg/dL	5.27	5.27	5.27	5.33	5.27	5.27	5.30	5.27	5.33	5.27
<b>TP II</b>	g/L	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
<b>TG</b>	mmol/L	1.52	1.52	1.52	1.52	1.52	1.52	1.52	1.52	1.52	1.52
	mg/dL	135	135	135	135	135	135	135	135	135	135
<b>UA</b>	μmol/L	311	311	311	317	311	311	317	311	317	311
	mg/dL	5.23	5.23	5.23	5.33	5.23	5.23	5.33	5.23	5.33	5.23
<b>Urea</b>	mmol/L	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3
	mg/dL	104	104	104	104	104	104	104	104	104	104
<b>LTP</b>	U/L	97.8	/	97.8	97.8	97.8	95.9	97.8	/	97.8	95.9
	μkat/L	1.63	/	1.63	1.63	1.63	1.60	1.63	/	1.63	1.60
<b>CHE</b>	U/L	/	/	5108	5108	5108	5108	5108	/	5108	5108
	μkat/L	/	/	85.3	85.3	85.3	85.3	85.3	/	85.3	85.3

Abbreviated name	Unit	Calibration Value									
		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-600M <sup>16</sup>	BS-620M <sup>17</sup>	BS-800 <sup>18</sup>	BS-2000 <sup>19</sup>	BS-2800M <sup>20</sup>
ALB II	g/L	34.6	34.6	34.6	35.3	34.6	34.5	34.5	34.6	34.5	34.5
	μmol/L	526	526	526	537	526	524	524	526	524	524
ALP	U/L	250	250	250	250	250	247	247	250	253	247
	μkat/L	4.18	4.18	4.18	4.18	4.18	4.12	4.12	4.18	4.23	4.12
ALT	U/L	105	105	105	105	105	105	105	105	106	105
	μkat/L	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.77	1.75
α-AMY	U/L	197	197	197	197	197	199	199	197	197	199
	μkat/L	3.29	3.29	3.29	3.29	3.29	3.32	3.32	3.29	3.29	3.32
AST	U/L	109	109	109	109	109	109	109	109	109	109
	μkat/L	1.82	1.82	1.82	1.82	1.82	1.82	1.82	1.82	1.82	1.82
Bil-D(DSA) II	μmol/L	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	46.9	47.1
	mg/dL	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.74	2.75
Bil-D(VOX) (after 21004)	μmol/L	38.5	38.9	38.9	39.3	38.5	38.5	38.5	38.5	38.6	39.4
	mg/dL	2.25	2.27	2.27	2.30	2.25	2.25	2.25	2.25	2.26	2.30
Bil-D(VOX) (before 21003)	μmol/L	/	/	/	/	/	/	/	/	/	/
	mg/dL	/	/	/	/	/	/	/	/	/	/
<p><b>*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.</b></p>											
Bil-T(DSA) II	μmol/L	80.8	80.8	80.8	80.8	80.8	80.9	80.9	80.8	81.6	80.9
	mg/dL	4.73	4.73	4.73	4.73	4.73	4.73	4.73	4.73	4.77	4.73
Bil-T(VOX)	μmol/L	68.7	68.7	68.7	68.7	68.7	69.7	69.7	68.7	69.5	69.7
	mg/dL	4.02	4.02	4.02	4.02	4.02	4.08	4.08	4.02	4.06	4.08
Ca	mmol/L	2.58	2.66	2.66	2.66	2.66	2.66	2.66	2.66	2.71	2.68
	mg/dL	10.3	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.9	10.7
TC	mmol/L	4.21	4.21	4.21	4.21	4.21	4.21	4.21	4.21	4.21	4.24
	mg/dL	163	163	163	163	163	163	163	163	163	164
CK	U/L	365	365	365	365	365	368	368	365	363	368
	μkat/L	6.10	6.10	6.10	6.10	6.10	6.15	6.15	6.10	6.06	6.15
Crea(SOX)	μmol/L	362	362	362	362	362	358	342	342	342	342
	mg/dL	4.10	4.10	4.10	4.10	4.10	4.05	3.87	3.87	3.87	3.87
GLU(GOD)	mmol/L	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	11.0	11.0
	mg/dL	196	196	196	196	196	196	196	196	198	198
GLU(HK)	mmol/L	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.3	11.2
	mg/dL	198	198	198	198	198	198	198	198	204	202
GGT	U/L	117	117	117	117	117	117	117	117	117	117
	μkat/L	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95
α-HBDH	U/L	288	288	288	288	288	292	292	288	292	292
	μkat/L	4.81	4.81	4.81	4.81	4.81	4.88	4.88	4.81	4.88	4.88
LDH	U/L	257	257	257	257	257	254	254	257	258	254
	μkat/L	4.29	4.29	4.29	4.29	4.29	4.24	4.24	4.29	4.31	4.24
Mg II	mmol/L	1.17	1.17	1.17	1.19	1.17	1.17	1.17	1.17	1.19	1.17
	mg/dL	2.84	2.84	2.84	2.89	2.84	2.84	2.84	2.84	2.89	2.84
P	mmol/L	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.66	/
	mg/dL	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.15	/
TP	g/L	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	55.0	/
P II	mmol/L	1.70	1.70	1.70	1.70	1.70	1.72	1.72	1.70	1.72	1.72
	mg/dL	5.27	5.27	5.27	5.27	5.27	5.33	5.33	5.27	5.33	5.33
TP II	g/L	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
TG	mmol/L	1.52	1.52	1.52	1.52	1.52	1.55	1.55	1.52	1.54	1.55
	mg/dL	135	135	135	135	135	137	137	135	136	137
UA	μmol/L	317	317	311	311	311	312	312	311	313	312
	mg/dL	5.33	5.33	5.23	5.23	5.23	5.24	5.24	5.23	5.26	5.24
Urea	mmol/L	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.4	17.3
	mg/dL	104	104	104	104	104	104	104	104	105	104
LIP	U/L	97.8	97.8	95.9	95.9	95.9	96.8	96.8	95.9	96.5	96.8
	μkat/L	1.63	1.63	1.60	1.60	1.60	1.62	1.62	1.60	1.61	1.62
CHE	U/L	5108	5108	5108	5108	5108	5115	5115	5108	5106	5115
	μkat/L	85.3	85.3	85.3	85.3	85.3	85.4	85.4	85.3	85.3	85.4

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	Albumina	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-гидроксипутиратдегидрогеназа	Лактатдегидрогеназа	Магний	Фосфор
Português	α-Hidroxi butirato Desidrogenase	Lactato Desidrogenase	Magnésio	Fósforo
Español	α-hidroxi butirato deshidrogenasa	lactato deshidrogenasa	Magnesio	Fósforo
Italiano	α-idrossibutirato 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