

## 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** : 059323008

**EXP** : 2025-03-31

| English   | Abbreviated name         | Model   | Unit    | Assay Value        | Range (Assay Value±3SD)                     |
|-----------|--------------------------|---------|---------|--------------------|---|
| Русский   | сокращенное наименование | модель  | Прибор  | Результат анализа  | Диапазон (результат анализа ± 3CO)          |
| 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 | Fosfatase 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-гидроксибутират дегидрогеназа  | Аполипопротеин A1  | Аполипопротеин B  | Комплемент C3  |
| Português | Gamma Glutamyl Transferase | α-Hidroxi butirato Desidrogenase | Apolipoproteína A1 | Apolipoproteína B | complemento C3 |

|                 |                           |                                   |                    |                   |                |
|-----------------|---------------------------|-----------------------------------|--------------------|-------------------|----------------|
| <b>Español</b>  | Gamma-Glutamiltransferasa | α-hidroxitbutirato deshidrogenasa | Apolipoproteína A1 | Apolipoproteína B | complemento C3 |
| <b>Italiano</b> | Gamma-glutamyltransferasi | α-idrossibutirrato deidrogenasi   | Apolipoproteina A1 | Apolipoproteina B | complemento C3 |
| <b>Türkçe</b>   | Gamma-Glutamiltransferaz  | α-Hidroksibütirat Dehidrogenaz    | Apolipoprotein A1  | Apolipoprotein B  | Kompleman C3   |

|                  | <b>C4</b>      | <b>CRP</b>          | <b>IgA</b>        | <b>IgG</b>        | <b>IgM</b>        |
|------------------|----------------|---------------------|-------------------|-------------------|-------------------|
| <b>English</b>   | Complement C4  | C- Reactive protein | Immunoglobulin A  | Immunoglobulin G  | Immunoglobulin M  |
| <b>Русский</b>   | Комплемент C4  | С-реактивный белок  | Иммуноглобулин А  | Иммуноглобулин G  | Иммуноглобулин М  |
| <b>Português</b> | complemento C4 | proteína C-reativa  | Imunoglobulina A  | Imunoglobulina G  | Imunoglobulina M  |
| <b>Español</b>   | complemento C4 | proteína C reactiva | Inmunoglobulina A | Inmunoglobulina G | Inmunoglobulina M |
| <b>Italiano</b>  | complemento C4 | proteina C-reattiva | Immunoglobulina A | Immunoglobulina G | Immunoglobulina M |
| <b>Türkçe</b>    | Kompleman C4   | C-Reaktif proteini  | İmmünoglobulin A  | İmmünoglobulin G  | İmmünoglobulin M  |

|                  | <b>PA</b>    | <b>LDH</b>             | <b>Mg</b> | <b>P</b>   | <b>TP</b>         |
|------------------|--------------|------------------------|-----------|------------|-------------------|
| <b>English</b>   | Prealbumin   | Lactate Dehydrogenase  | Magnesium | Phosphorus | Total Protein     |
| <b>Русский</b>   | преальбумина | Лактатдегидрогеназа    | Магний    | Фосфор     | Общий белок       |
| <b>Português</b> | pré-albumina | Lactato Desidrogenase  | Magnésio  | Fósforo    | Proteína Total    |
| <b>Español</b>   | Prealbúmina  | Lactato deshidrogenasa | Magnesio  | Fósforo    | Proteínas totales |
| <b>Italiano</b>  | prealbumina  | Lattato deidrogenasi   | Magnesio  | Fosforo    | Proteina totale   |
| <b>Türkçe</b>    | Prealbümin   | Laktat Dehidrogenaz    | Magnezyum | Fosfor     | Total Protein     |

|                  | <b>TG</b>      | <b>UA</b>       | <b>Urea</b> | <b>LIP</b> | <b>CHE</b>     |
|------------------|----------------|-----------------|-------------|------------|----------------|
| <b>English</b>   | Triglycerides  | Uric Acid       | Urea        | Lipase     | Cholinesterase |
| <b>Русский</b>   | Триглицериды   | Мочевая кислота | Мочевина    | Липаза     | Холинэстераза  |
| <b>Português</b> | Triglicérideos | Ácido Úrico     | Ureia       | Lipase     | Colinesterase  |
| <b>Español</b>   | Triglicéridos  | Ácido úrico     | Urea        | Lipasa     | Colinesterasa  |
| <b>Italiano</b>  | Trigliceridi   | Acido urico     | Urea        | Lipasi     | Colinesterasi  |
| <b>Türkçe</b>    | Trigliseritler | Ürik Asit       | Üre         | Lipaz      | Kolinesteraz   |

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

|                  | <b>Na<sup>+</sup></b> | <b>K<sup>+</sup></b> | <b>Cl<sup>-</sup></b> |
|------------------|-----------------------|----------------------|-----------------------|
| <b>English</b>   | Sodium                | Potassium            | Chlorine              |
| <b>Русский</b>   | Натрий                | Калий                | Хлориды               |
| <b>Português</b> | Sódio                 | Potássio             | Cloro                 |
| <b>Español</b>   | Sodio                 | Potasio              | Cloro                 |
| <b>Italiano</b>  | Sodio                 | Potassio             | Cloro                 |
| <b>Türkçe</b>    | Sodyum                | Potasyum             | Klor                  |

| Abbreviated name             | Model                       | Unit   | Assay Value |                        |                               |                              | 1 SD   | Model       | Unit        | Assay Value |  |  |  | 1 SD |
|------------------------------|-----------------------------|--------|-------------|------------------------|-------------------------------|------------------------------|--------|-------------|-------------|-------------|--|--|--|------|
|                              |                             |        | Assay Value | Range(Assay Value±3SD) | Assay Value                   | Range(Assay Value±3SD)       |        |             |             |             |  |  |  |      |
| <b>ALB II</b>                | <b>BS-120</b> <sup>1</sup>  | g/L    | 31.9        | 27.1 — 36.7            | 1.6                           | <b>BS-380</b> <sup>11</sup>  | g/L    | 31.6        | 26.9 — 36.3 | 1.6         |  |  |  |      |
|                              |                             | µmol/L | 485         | 412 — 558              | 24                            |                              | µmol/L | 480         | 409 — 552   | 24          |  |  |  |      |
|                              | <b>BS-180</b> <sup>2</sup>  | g/L    | 31.9        | 27.1 — 36.7            | 1.6                           | <b>BS-400</b> <sup>12</sup>  | g/L    | 31.7        | 26.9 — 36.5 | 1.6         |  |  |  |      |
|                              |                             | µmol/L | 485         | 412 — 558              | 24                            |                              | µmol/L | 482         | 409 — 555   | 24          |  |  |  |      |
|                              | <b>BS-200</b> <sup>3</sup>  | g/L    | 31.9        | 27.1 — 36.7            | 1.6                           | <b>BS-430</b> <sup>13</sup>  | g/L    | 31.7        | 26.9 — 36.5 | 1.6         |  |  |  |      |
|                              |                             | µmol/L | 485         | 412 — 558              | 24                            |                              | µmol/L | 482         | 409 — 555   | 24          |  |  |  |      |
|                              | <b>BS-200E</b> <sup>4</sup> | g/L    | 31.3        | 26.6 — 36.0            | 1.6                           | <b>BS-480</b> <sup>14</sup>  | g/L    | 31.7        | 26.9 — 36.5 | 1.6         |  |  |  |      |
|                              |                             | µmol/L | 476         | 404 — 547              | 24                            |                              | µmol/L | 482         | 409 — 555   | 24          |  |  |  |      |
|                              | <b>BS-230</b> <sup>5</sup>  | g/L    | 31.2        | 26.5 — 35.9            | 1.6                           | <b>BS-600</b> <sup>15</sup>  | g/L    | 31.4        | 26.7 — 36.1 | 1.6         |  |  |  |      |
|                              |                             | µmol/L | 474         | 403 — 546              | 24                            |                              | µmol/L | 477         | 406 — 549   | 24          |  |  |  |      |
|                              | <b>BS-240E</b> <sup>6</sup> | g/L    | 31.4        | 26.7 — 36.1            | 1.6                           | <b>BS-600M</b> <sup>16</sup> | g/L    | 32.2        | 27.4 — 37.0 | 1.6         |  |  |  |      |
|                              |                             | µmol/L | 477         | 406 — 549              | 24                            |                              | µmol/L | 489         | 416 — 562   | 24          |  |  |  |      |
|                              | <b>BS-300</b> <sup>7</sup>  | g/L    | 31.7        | 26.9 — 36.5            | 1.6                           | <b>BS-620M</b> <sup>17</sup> | g/L    | 32.2        | 27.4 — 37.0 | 1.6         |  |  |  |      |
|                              |                             | µmol/L | 482         | 409 — 555              | 24                            |                              | µmol/L | 489         | 416 — 562   | 24          |  |  |  |      |
|                              | <b>BS-330</b> <sup>8</sup>  | g/L    | 31.9        | 27.1 — 36.7            | 1.6                           | <b>BS-800</b> <sup>18</sup>  | g/L    | 31.7        | 26.9 — 36.5 | 1.6         |  |  |  |      |
|                              |                             | µmol/L | 485         | 412 — 558              | 24                            |                              | µmol/L | 482         | 409 — 555   | 24          |  |  |  |      |
| <b>BS-330E</b> <sup>9</sup>  | g/L                         | 31.3   | 26.6 — 36.0 | 1.6                    | <b>BS-2000</b> <sup>19</sup>  | g/L                          | 31.9   | 27.1 — 36.7 | 1.6         |             |  |  |  |      |
|                              | µmol/L                      | 476    | 404 — 547   | 24                     |                               | µmol/L                       | 485    | 412 — 558   | 24          |             |  |  |  |      |
| <b>BS-360E</b> <sup>10</sup> | g/L                         | 31.2   | 26.5 — 35.9 | 1.6                    | <b>BS-2800M</b> <sup>20</sup> | g/L                          | 32.2   | 27.4 — 37.0 | 1.6         |             |  |  |  |      |
|                              | µmol/L                      | 474    | 403 — 546   | 24                     |                               | µmol/L                       | 489    | 416 — 562   | 24          |             |  |  |  |      |

| 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 <sup>1</sup>   | U/L    | 101         | 86                     | — | 116   | 5    | BS-380 <sup>11</sup>   | U/L    | 102         | 87                     | — | 117  | 5    |
|                  |                       | μkat/L | 1.69        | 1.44                   | — | 1.94  | 0.08 |                        | μkat/L | 1.70        | 1.45                   | — | 1.95 | 0.08 |
|                  | BS-180 <sup>2</sup>   | U/L    | 101         | 86                     | — | 116   | 5    | BS-400 <sup>12</sup>   | U/L    | 102         | 87                     | — | 117  | 5    |
|                  |                       | μkat/L | 1.69        | 1.44                   | — | 1.94  | 0.08 |                        | μkat/L | 1.70        | 1.45                   | — | 1.95 | 0.08 |
|                  | BS-200 <sup>3</sup>   | U/L    | 98.7        | 83.9                   | — | 113.5 | 4.9  | BS-430 <sup>13</sup>   | U/L    | 101         | 86                     | — | 116  | 5    |
|                  |                       | μkat/L | 1.65        | 1.40                   | — | 1.90  | 0.08 |                        | μkat/L | 1.69        | 1.44                   | — | 1.94 | 0.08 |
|                  | BS-200E <sup>4</sup>  | U/L    | 101         | 86                     | — | 116   | 5    | BS-480 <sup>14</sup>   | U/L    | 101         | 86                     | — | 116  | 5    |
|                  |                       | μkat/L | 1.69        | 1.44                   | — | 1.94  | 0.08 |                        | μkat/L | 1.69        | 1.44                   | — | 1.94 | 0.08 |
|                  | BS-230 <sup>5</sup>   | U/L    | 98.0        | 83.3                   | — | 112.7 | 4.9  | BS-600 <sup>15</sup>   | U/L    | 101         | 86                     | — | 116  | 5    |
|                  |                       | μkat/L | 1.64        | 1.39                   | — | 1.88  | 0.08 |                        | μkat/L | 1.69        | 1.44                   | — | 1.94 | 0.08 |
|                  | BS-240E <sup>6</sup>  | U/L    | 101         | 86                     | — | 116   | 5    | BS-600M <sup>16</sup>  | U/L    | 101         | 86                     | — | 116  | 5    |
|                  |                       | μkat/L | 1.69        | 1.44                   | — | 1.94  | 0.08 |                        | μkat/L | 1.69        | 1.44                   | — | 1.94 | 0.08 |
|                  | BS-300 <sup>7</sup>   | U/L    | 101         | 86                     | — | 116   | 5    | BS-620M <sup>17</sup>  | U/L    | 101         | 86                     | — | 116  | 5    |
|                  |                       | μkat/L | 1.69        | 1.44                   | — | 1.94  | 0.08 |                        | μkat/L | 1.69        | 1.44                   | — | 1.94 | 0.08 |
|                  | BS-330 <sup>8</sup>   | U/L    | 98.7        | 83.9                   | — | 113.5 | 4.9  | BS-800 <sup>18</sup>   | U/L    | 101         | 86                     | — | 116  | 5    |
|                  |                       | μkat/L | 1.65        | 1.40                   | — | 1.90  | 0.08 |                        | μkat/L | 1.69        | 1.44                   | — | 1.94 | 0.08 |
|                  | BS-330E <sup>9</sup>  | U/L    | 101         | 86                     | — | 116   | 5    | BS-2000 <sup>19</sup>  | U/L    | 101         | 86                     | — | 116  | 5    |
|                  |                       | μkat/L | 1.69        | 1.44                   | — | 1.94  | 0.08 |                        | μkat/L | 1.69        | 1.44                   | — | 1.94 | 0.08 |
|                  | BS-360E <sup>10</sup> | U/L    | 98.8        | 84.0                   | — | 113.6 | 4.9  | BS-2800M <sup>20</sup> | U/L    | 102         | 87                     | — | 117  | 5    |
|                  |                       | μkat/L | 1.65        | 1.40                   | — | 1.90  | 0.08 |                        | μkat/L | 1.70        | 1.45                   | — | 1.95 | 0.08 |
| ALT              | BS-120 <sup>1</sup>   | U/L    | 60.6        | 51.5                   | — | 69.7  | 3.0  | BS-380 <sup>11</sup>   | U/L    | 62.3        | 53.0                   | — | 71.6 | 3.1  |
|                  |                       | μkat/L | 1.01        | 0.86                   | — | 1.16  | 0.05 |                        | μkat/L | 1.04        | 0.89                   | — | 1.20 | 0.05 |
|                  | BS-180 <sup>2</sup>   | U/L    | 60.6        | 51.5                   | — | 69.7  | 3.0  | BS-400 <sup>12</sup>   | U/L    | 62.3        | 53.0                   | — | 71.6 | 3.1  |
|                  |                       | μkat/L | 1.01        | 0.86                   | — | 1.16  | 0.05 |                        | μkat/L | 1.04        | 0.89                   | — | 1.20 | 0.05 |
|                  | BS-200 <sup>3</sup>   | U/L    | 60.6        | 51.5                   | — | 69.7  | 3.0  | BS-430 <sup>13</sup>   | U/L    | 62.0        | 52.7                   | — | 71.3 | 3.1  |
|                  |                       | μkat/L | 1.01        | 0.86                   | — | 1.16  | 0.05 |                        | μkat/L | 1.04        | 0.88                   | — | 1.19 | 0.05 |
|                  | BS-200E <sup>4</sup>  | U/L    | 61.3        | 52.1                   | — | 70.5  | 3.1  | BS-480 <sup>14</sup>   | U/L    | 63.2        | 53.7                   | — | 72.7 | 3.2  |
|                  |                       | μkat/L | 1.02        | 0.87                   | — | 1.18  | 0.05 |                        | μkat/L | 1.06        | 0.90                   | — | 1.21 | 0.05 |
|                  | BS-230 <sup>5</sup>   | U/L    | 62.5        | 53.1                   | — | 71.9  | 3.1  | BS-600 <sup>15</sup>   | U/L    | 62.0        | 52.7                   | — | 71.3 | 3.1  |
|                  |                       | μkat/L | 1.04        | 0.89                   | — | 1.20  | 0.05 |                        | μkat/L | 1.04        | 0.88                   | — | 1.19 | 0.05 |
|                  | BS-240E <sup>6</sup>  | U/L    | 61.4        | 52.2                   | — | 70.6  | 3.1  | BS-600M <sup>16</sup>  | U/L    | 62.9        | 53.5                   | — | 72.3 | 3.1  |
|                  |                       | μkat/L | 1.03        | 0.87                   | — | 1.18  | 0.05 |                        | μkat/L | 1.05        | 0.89                   | — | 1.21 | 0.05 |
|                  | BS-300 <sup>7</sup>   | U/L    | 60.1        | 51.1                   | — | 69.1  | 3.0  | BS-620M <sup>17</sup>  | U/L    | 62.9        | 53.5                   | — | 72.3 | 3.1  |
|                  |                       | μkat/L | 1.00        | 0.85                   | — | 1.15  | 0.05 |                        | μkat/L | 1.05        | 0.89                   | — | 1.21 | 0.05 |
|                  | BS-330 <sup>8</sup>   | U/L    | 60.6        | 51.5                   | — | 69.7  | 3.0  | BS-800 <sup>18</sup>   | U/L    | 62.0        | 52.7                   | — | 71.3 | 3.1  |
|                  |                       | μkat/L | 1.01        | 0.86                   | — | 1.16  | 0.05 |                        | μkat/L | 1.04        | 0.88                   | — | 1.19 | 0.05 |
|                  | BS-330E <sup>9</sup>  | U/L    | 61.3        | 52.1                   | — | 70.5  | 3.1  | BS-2000 <sup>19</sup>  | U/L    | 62.0        | 52.7                   | — | 71.3 | 3.1  |
|                  |                       | μkat/L | 1.02        | 0.87                   | — | 1.18  | 0.05 |                        | μkat/L | 1.04        | 0.88                   | — | 1.19 | 0.05 |
|                  | BS-360E <sup>10</sup> | U/L    | 61.6        | 52.4                   | — | 70.8  | 3.1  | BS-2800M <sup>20</sup> | U/L    | 62.9        | 53.5                   | — | 72.3 | 3.1  |
|                  |                       | μkat/L | 1.03        | 0.88                   | — | 1.18  | 0.05 |                        | μkat/L | 1.05        | 0.89                   | — | 1.21 | 0.05 |
| α-AMY            | BS-120 <sup>1</sup>   | U/L    | 84.6        | 71.9                   | — | 97.3  | 4.2  | BS-380 <sup>11</sup>   | U/L    | 84.1        | 71.5                   | — | 96.7 | 4.2  |
|                  |                       | μkat/L | 1.41        | 1.20                   | — | 1.62  | 0.07 |                        | μkat/L | 1.40        | 1.19                   | — | 1.61 | 0.07 |
|                  | BS-180 <sup>2</sup>   | U/L    | 84.6        | 71.9                   | — | 97.3  | 4.2  | BS-400 <sup>12</sup>   | U/L    | 84.1        | 71.5                   | — | 96.7 | 4.2  |
|                  |                       | μkat/L | 1.41        | 1.20                   | — | 1.62  | 0.07 |                        | μkat/L | 1.40        | 1.19                   | — | 1.61 | 0.07 |
|                  | BS-200 <sup>3</sup>   | U/L    | 82.5        | 70.1                   | — | 94.9  | 4.1  | BS-430 <sup>13</sup>   | U/L    | 84.0        | 71.4                   | — | 96.6 | 4.2  |
|                  |                       | μkat/L | 1.38        | 1.17                   | — | 1.58  | 0.07 |                        | μkat/L | 1.40        | 1.19                   | — | 1.61 | 0.07 |
|                  | BS-200E <sup>4</sup>  | U/L    | 81.6        | 69.4                   | — | 93.8  | 4.1  | BS-480 <sup>14</sup>   | U/L    | 84.8        | 72.1                   | — | 97.5 | 4.2  |
|                  |                       | μkat/L | 1.36        | 1.16                   | — | 1.57  | 0.07 |                        | μkat/L | 1.42        | 1.20                   | — | 1.63 | 0.07 |
|                  | BS-230 <sup>5</sup>   | U/L    | 85.3        | 72.5                   | — | 98.1  | 4.3  | BS-600 <sup>15</sup>   | U/L    | 84.2        | 71.6                   | — | 96.8 | 4.2  |
|                  |                       | μkat/L | 1.42        | 1.21                   | — | 1.64  | 0.07 |                        | μkat/L | 1.41        | 1.20                   | — | 1.62 | 0.07 |
|                  | BS-240E <sup>6</sup>  | U/L    | 83.0        | 70.6                   | — | 95.5  | 4.2  | BS-600M <sup>16</sup>  | U/L    | 84.3        | 71.7                   | — | 96.9 | 4.2  |
|                  |                       | μkat/L | 1.39        | 1.18                   | — | 1.59  | 0.07 |                        | μkat/L | 1.41        | 1.20                   | — | 1.62 | 0.07 |
|                  | BS-300 <sup>7</sup>   | U/L    | 84.9        | 72.2                   | — | 97.6  | 4.2  | BS-620M <sup>17</sup>  | U/L    | 84.3        | 71.7                   | — | 96.9 | 4.2  |
|                  |                       | μkat/L | 1.42        | 1.21                   | — | 1.63  | 0.07 |                        | μkat/L | 1.41        | 1.20                   | — | 1.62 | 0.07 |
|                  | BS-330 <sup>8</sup>   | U/L    | 82.5        | 70.1                   | — | 94.9  | 4.1  | BS-800 <sup>18</sup>   | U/L    | 83.6        | 71.1                   | — | 96.1 | 4.2  |
|                  |                       | μkat/L | 1.38        | 1.17                   | — | 1.58  | 0.07 |                        | μkat/L | 1.40        | 1.19                   | — | 1.60 | 0.07 |
|                  | BS-330E <sup>9</sup>  | U/L    | 81.6        | 69.4                   | — | 93.8  | 4.1  | BS-2000 <sup>19</sup>  | U/L    | 84.5        | 71.8                   | — | 97.2 | 4.2  |
|                  |                       | μkat/L | 1.36        | 1.16                   | — | 1.57  | 0.07 |                        | μkat/L | 1.41        | 1.20                   | — | 1.62 | 0.07 |
|                  | BS-360E <sup>10</sup> | U/L    | 83.2        | 70.7                   | — | 95.7  | 4.2  | BS-2800M <sup>20</sup> | U/L    | 84.3        | 71.7                   | — | 96.9 | 4.2  |
|                  |                       | μkat/L | 1.39        | 1.18                   | — | 1.60  | 0.07 |                        | μkat/L | 1.41        | 1.20                   | — | 1.62 | 0.07 |

| Abbreviated name      | Model                        | Unit   | Assay Value | Range(Assay Value±3SD) |   | 1 SD  | Model | Unit                          | Assay Value | Range(Assay Value±3SD) |       | 1 SD |       |       |
|-----------------------|------------------------------|--------|-------------|------------------------|---|-------|-------|-------------------------------|-------------|------------------------|-------|------|-------|-------|
| <b>AST</b>            | <b>BS-120</b> <sup>1</sup>   | U/L    | 49.8        | 42.3                   | — | 57.3  | 2.5   | <b>BS-380</b> <sup>11</sup>   | U/L         | 49.0                   | 41.7  | —    | 56.4  | 2.5   |
|                       |                              | μkat/L | 0.832       | 0.706                  | — | 0.957 | 0.042 |                               | μkat/L      | 0.818                  | 0.696 | —    | 0.942 | 0.042 |
|                       | <b>BS-180</b> <sup>2</sup>   | U/L    | 49.8        | 42.3                   | — | 57.3  | 2.5   | <b>BS-400</b> <sup>12</sup>   | U/L         | 49.0                   | 41.7  | —    | 56.4  | 2.5   |
|                       |                              | μkat/L | 0.832       | 0.706                  | — | 0.957 | 0.042 |                               | μkat/L      | 0.818                  | 0.696 | —    | 0.942 | 0.042 |
|                       | <b>BS-200</b> <sup>3</sup>   | U/L    | 49.6        | 42.2                   | — | 57.0  | 2.5   | <b>BS-430</b> <sup>13</sup>   | U/L         | 49.8                   | 42.3  | —    | 57.3  | 2.5   |
|                       |                              | μkat/L | 0.828       | 0.705                  | — | 0.952 | 0.042 |                               | μkat/L      | 0.832                  | 0.706 | —    | 0.957 | 0.042 |
|                       | <b>BS-200E</b> <sup>4</sup>  | U/L    | 50.0        | 42.5                   | — | 57.5  | 2.5   | <b>BS-480</b> <sup>14</sup>   | U/L         | 49.8                   | 42.3  | —    | 57.3  | 2.5   |
|                       |                              | μkat/L | 0.835       | 0.710                  | — | 0.960 | 0.042 |                               | μkat/L      | 0.832                  | 0.706 | —    | 0.957 | 0.042 |
|                       | <b>BS-230</b> <sup>5</sup>   | U/L    | 49.9        | 42.4                   | — | 57.4  | 2.5   | <b>BS-600</b> <sup>15</sup>   | U/L         | 49.8                   | 42.3  | —    | 57.3  | 2.5   |
|                       |                              | μkat/L | 0.833       | 0.708                  | — | 0.959 | 0.042 |                               | μkat/L      | 0.832                  | 0.706 | —    | 0.957 | 0.042 |
|                       | <b>BS-240E</b> <sup>6</sup>  | U/L    | 49.8        | 42.3                   | — | 57.3  | 2.5   | <b>BS-600M</b> <sup>16</sup>  | U/L         | 49.3                   | 41.9  | —    | 56.7  | 2.5   |
|                       |                              | μkat/L | 0.832       | 0.706                  | — | 0.957 | 0.042 |                               | μkat/L      | 0.823                  | 0.700 | —    | 0.947 | 0.042 |
|                       | <b>BS-300</b> <sup>7</sup>   | U/L    | 49.0        | 41.7                   | — | 56.4  | 2.5   | <b>BS-620M</b> <sup>17</sup>  | U/L         | 49.3                   | 41.9  | —    | 56.7  | 2.5   |
|                       |                              | μkat/L | 0.818       | 0.696                  | — | 0.942 | 0.042 |                               | μkat/L      | 0.823                  | 0.700 | —    | 0.947 | 0.042 |
|                       | <b>BS-330</b> <sup>8</sup>   | U/L    | 49.6        | 42.2                   | — | 57.0  | 2.5   | <b>BS-800</b> <sup>18</sup>   | U/L         | 49.8                   | 42.3  | —    | 57.3  | 2.5   |
|                       |                              | μkat/L | 0.828       | 0.705                  | — | 0.952 | 0.042 |                               | μkat/L      | 0.832                  | 0.706 | —    | 0.957 | 0.042 |
|                       | <b>BS-330E</b> <sup>9</sup>  | U/L    | 50.0        | 42.5                   | — | 57.5  | 2.5   | <b>BS-2000</b> <sup>19</sup>  | U/L         | 49.8                   | 42.3  | —    | 57.3  | 2.5   |
|                       |                              | μkat/L | 0.835       | 0.710                  | — | 0.960 | 0.042 |                               | μkat/L      | 0.832                  | 0.706 | —    | 0.957 | 0.042 |
|                       | <b>BS-360E</b> <sup>10</sup> | U/L    | 49.8        | 42.3                   | — | 57.3  | 2.5   | <b>BS-2800M</b> <sup>20</sup> | U/L         | 49.3                   | 41.9  | —    | 56.7  | 2.5   |
|                       |                              | μkat/L | 0.832       | 0.706                  | — | 0.957 | 0.042 |                               | μkat/L      | 0.823                  | 0.700 | —    | 0.947 | 0.042 |
| <b>Bil-D (DSA) II</b> | <b>BS-120</b> <sup>1</sup>   | μmol/L | 17.3        | 13.4                   | — | 21.2  | 1.3   | <b>BS-380</b> <sup>11</sup>   | μmol/L      | 17.5                   | 13.6  | —    | 21.4  | 1.3   |
|                       |                              | mg/dL  | 1.01        | 0.78                   | — | 1.24  | 0.08  |                               | mg/dL       | 1.02                   | 0.80  | —    | 1.25  | 0.08  |
|                       | <b>BS-180</b> <sup>2</sup>   | μmol/L | 17.3        | 13.4                   | — | 21.2  | 1.3   | <b>BS-400</b> <sup>12</sup>   | μmol/L      | 17.4                   | 13.5  | —    | 21.3  | 1.3   |
|                       |                              | mg/dL  | 1.01        | 0.78                   | — | 1.24  | 0.08  |                               | mg/dL       | 1.02                   | 0.79  | —    | 1.25  | 0.08  |
|                       | <b>BS-200</b> <sup>3</sup>   | μmol/L | 17.4        | 13.5                   | — | 21.3  | 1.3   | <b>BS-430</b> <sup>13</sup>   | μmol/L      | 17.8                   | 13.8  | —    | 21.8  | 1.3   |
|                       |                              | mg/dL  | 1.02        | 0.79                   | — | 1.25  | 0.08  |                               | mg/dL       | 1.04                   | 0.81  | —    | 1.27  | 0.08  |
|                       | <b>BS-200E</b> <sup>4</sup>  | μmol/L | 17.5        | 13.6                   | — | 21.4  | 1.3   | <b>BS-480</b> <sup>14</sup>   | 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  |
|                       | <b>BS-230</b> <sup>5</sup>   | μmol/L | 17.6        | 13.6                   | — | 21.6  | 1.3   | <b>BS-600</b> <sup>15</sup>   | μmol/L      | 17.4                   | 13.5  | —    | 21.3  | 1.3   |
|                       |                              | mg/dL  | 1.03        | 0.80                   | — | 1.26  | 0.08  |                               | mg/dL       | 1.02                   | 0.79  | —    | 1.25  | 0.08  |
|                       | <b>BS-240E</b> <sup>6</sup>  | μmol/L | 17.7        | 13.7                   | — | 21.7  | 1.3   | <b>BS-600M</b> <sup>16</sup>  | μmol/L      | 17.9                   | 13.9  | —    | 21.9  | 1.3   |
|                       |                              | mg/dL  | 1.04        | 0.80                   | — | 1.27  | 0.08  |                               | mg/dL       | 1.05                   | 0.81  | —    | 1.28  | 0.08  |
|                       | <b>BS-300</b> <sup>7</sup>   | μmol/L | 17.4        | 13.5                   | — | 21.3  | 1.3   | <b>BS-620M</b> <sup>17</sup>  | μmol/L      | 17.9                   | 13.9  | —    | 21.9  | 1.3   |
|                       |                              | mg/dL  | 1.02        | 0.79                   | — | 1.25  | 0.08  |                               | mg/dL       | 1.05                   | 0.81  | —    | 1.28  | 0.08  |
|                       | <b>BS-330</b> <sup>8</sup>   | μmol/L | 17.4        | 13.5                   | — | 21.3  | 1.3   | <b>BS-800</b> <sup>18</sup>   | μmol/L      | 17.8                   | 13.8  | —    | 21.8  | 1.3   |
|                       |                              | mg/dL  | 1.02        | 0.79                   | — | 1.25  | 0.08  |                               | mg/dL       | 1.04                   | 0.81  | —    | 1.27  | 0.08  |
|                       | <b>BS-330E</b> <sup>9</sup>  | μmol/L | 17.5        | 13.6                   | — | 21.4  | 1.3   | <b>BS-2000</b> <sup>19</sup>  | μmol/L      | 17.9                   | 13.9  | —    | 21.9  | 1.3   |
|                       |                              | mg/dL  | 1.02        | 0.80                   | — | 1.25  | 0.08  |                               | mg/dL       | 1.05                   | 0.81  | —    | 1.28  | 0.08  |
|                       | <b>BS-360E</b> <sup>10</sup> | μmol/L | 17.9        | 13.9                   | — | 21.9  | 1.3   | <b>BS-2800M</b> <sup>20</sup> | μmol/L      | 17.8                   | 13.8  | —    | 21.8  | 1.3   |
|                       |                              | mg/dL  | 1.05        | 0.81                   | — | 1.28  | 0.08  |                               | mg/dL       | 1.04                   | 0.81  | —    | 1.27  | 0.08  |
| <b>Bil-D (VOX)</b>    | <b>BS-120</b> <sup>1</sup>   | μmol/L | 11.1        | 8.6                    | — | 13.6  | 0.8   | <b>BS-380</b> <sup>11</sup>   | μmol/L      | 10.9                   | 8.4   | —    | 13.4  | 0.8   |
|                       |                              | mg/dL  | 0.649       | 0.503                  | — | 0.795 | 0.047 |                               | mg/dL       | 0.637                  | 0.491 | —    | 0.784 | 0.047 |
|                       | <b>BS-180</b> <sup>2</sup>   | μmol/L | 11.1        | 8.6                    | — | 13.6  | 0.8   | <b>BS-400</b> <sup>12</sup>   | μmol/L      | 11.0                   | 8.5   | —    | 13.5  | 0.8   |
|                       |                              | mg/dL  | 0.649       | 0.503                  | — | 0.795 | 0.047 |                               | mg/dL       | 0.643                  | 0.497 | —    | 0.789 | 0.047 |
|                       | <b>BS-200</b> <sup>3</sup>   | μmol/L | 11.0        | 8.5                    | — | 13.5  | 0.8   | <b>BS-430</b> <sup>13</sup>   | μmol/L      | 10.8                   | 8.4   | —    | 13.2  | 0.8   |
|                       |                              | mg/dL  | 0.643       | 0.497                  | — | 0.789 | 0.047 |                               | mg/dL       | 0.632                  | 0.491 | —    | 0.772 | 0.047 |
|                       | <b>BS-200E</b> <sup>4</sup>  | μmol/L | 11.2        | 8.7                    | — | 13.7  | 0.8   | <b>BS-480</b> <sup>14</sup>   | μmol/L      | 10.7                   | 8.3   | —    | 13.1  | 0.8   |
|                       |                              | mg/dL  | 0.655       | 0.509                  | — | 0.801 | 0.047 |                               | mg/dL       | 0.626                  | 0.485 | —    | 0.766 | 0.047 |
|                       | <b>BS-230</b> <sup>5</sup>   | μmol/L | 11.2        | 8.7                    | — | 13.7  | 0.8   | <b>BS-600</b> <sup>15</sup>   | μmol/L      | 11.0                   | 8.5   | —    | 13.5  | 0.8   |
|                       |                              | mg/dL  | 0.655       | 0.509                  | — | 0.801 | 0.047 |                               | mg/dL       | 0.643                  | 0.497 | —    | 0.789 | 0.047 |
|                       | <b>BS-240E</b> <sup>6</sup>  | μmol/L | 10.8        | 8.4                    | — | 13.2  | 0.8   | <b>BS-600M</b> <sup>16</sup>  | μmol/L      | 11.1                   | 8.6   | —    | 13.6  | 0.8   |
|                       |                              | mg/dL  | 0.632       | 0.491                  | — | 0.772 | 0.047 |                               | mg/dL       | 0.649                  | 0.503 | —    | 0.795 | 0.047 |
|                       | <b>BS-300</b> <sup>7</sup>   | μmol/L | 10.8        | 8.4                    | — | 13.2  | 0.8   | <b>BS-620M</b> <sup>17</sup>  | μmol/L      | 11.1                   | 8.6   | —    | 13.6  | 0.8   |
|                       |                              | mg/dL  | 0.632       | 0.491                  | — | 0.772 | 0.047 |                               | mg/dL       | 0.649                  | 0.503 | —    | 0.795 | 0.047 |
|                       | <b>BS-330</b> <sup>8</sup>   | μmol/L | 11.0        | 8.5                    | — | 13.5  | 0.8   | <b>BS-800</b> <sup>18</sup>   | μmol/L      | 10.7                   | 8.3   | —    | 13.1  | 0.8   |
|                       |                              | mg/dL  | 0.643       | 0.497                  | — | 0.789 | 0.047 |                               | mg/dL       | 0.626                  | 0.485 | —    | 0.766 | 0.047 |
|                       | <b>BS-330E</b> <sup>9</sup>  | μmol/L | 11.2        | 8.7                    | — | 13.7  | 0.8   | <b>BS-2000</b> <sup>19</sup>  | μmol/L      | 11.1                   | 8.6   | —    | 13.6  | 0.8   |
|                       |                              | mg/dL  | 0.655       | 0.509                  | — | 0.801 | 0.047 |                               | mg/dL       | 0.649                  | 0.503 | —    | 0.795 | 0.047 |
|                       | <b>BS-360E</b> <sup>10</sup> | μmol/L | 11.0        | 8.5                    | — | 13.5  | 0.8   | <b>BS-2800M</b> <sup>20</sup> | μmol/L      | 11.1                   | 8.6   | —    | 13.6  | 0.8   |
|                       |                              | mg/dL  | 0.643       | 0.497                  | — | 0.789 | 0.047 |                               | mg/dL       | 0.649                  | 0.503 | —    | 0.795 | 0.047 |

| Abbreviated name             | Model                        | Unit                       | Assay Value | Range(Assay Value±3SD) |       | 1 SD  | Model | Unit                          | Assay Value                 | Range(Assay Value±3SD) |       | 1 SD  |       |       |       |
|------------------------------|------------------------------|----------------------------|-------------|------------------------|-------|-------|-------|-------------------------------|-----------------------------|------------------------|-------|-------|-------|-------|-------|
| <b>Bil-T (DSA) II</b>        | <b>BS-120</b> <sup>1</sup>   | μmol/L                     | 18.4        | 14.3                   | -     | 22.5  | 1.4   | <b>BS-380</b> <sup>11</sup>   | μmol/L                      | 18.0                   | 14.0  | -     | 22.1  | 1.4   |       |
|                              |                              | mg/dL                      | 1.08        | 0.84                   | -     | 1.32  | 0.08  |                               | mg/dL                       | 1.05                   | 0.82  | -     | 1.29  | 0.08  |       |
|                              | <b>BS-180</b> <sup>2</sup>   | μmol/L                     | 18.4        | 14.3                   | -     | 22.5  | 1.4   | <b>BS-400</b> <sup>12</sup>   | μmol/L                      | 18.0                   | 14.0  | -     | 22.1  | 1.4   |       |
|                              |                              | mg/dL                      | 1.08        | 0.84                   | -     | 1.32  | 0.08  |                               | mg/dL                       | 1.05                   | 0.82  | -     | 1.29  | 0.08  |       |
|                              | <b>BS-200</b> <sup>3</sup>   | μmol/L                     | 18.5        | 14.3                   | -     | 22.7  | 1.4   | <b>BS-430</b> <sup>13</sup>   | μmol/L                      | 18.5                   | 14.3  | -     | 22.7  | 1.4   |       |
|                              |                              | mg/dL                      | 1.08        | 0.84                   | -     | 1.33  | 0.08  |                               | mg/dL                       | 1.08                   | 0.84  | -     | 1.33  | 0.08  |       |
|                              | <b>BS-200E</b> <sup>4</sup>  | μmol/L                     | 18.0        | 14.0                   | -     | 22.1  | 1.4   | <b>BS-480</b> <sup>14</sup>   | μmol/L                      | 18.0                   | 14.0  | -     | 22.1  | 1.4   |       |
|                              |                              | mg/dL                      | 1.05        | 0.82                   | -     | 1.29  | 0.08  |                               | mg/dL                       | 1.05                   | 0.82  | -     | 1.29  | 0.08  |       |
|                              | <b>BS-230</b> <sup>5</sup>   | μmol/L                     | 18.3        | 14.2                   | -     | 22.4  | 1.4   | <b>BS-600</b> <sup>15</sup>   | μmol/L                      | 18.5                   | 14.3  | -     | 22.7  | 1.4   |       |
|                              |                              | mg/dL                      | 1.07        | 0.83                   | -     | 1.31  | 0.08  |                               | mg/dL                       | 1.08                   | 0.84  | -     | 1.33  | 0.08  |       |
|                              | <b>BS-240E</b> <sup>6</sup>  | μmol/L                     | 18.0        | 14.0                   | -     | 22.1  | 1.4   | <b>BS-600M</b> <sup>16</sup>  | μmol/L                      | 18.5                   | 14.3  | -     | 22.7  | 1.4   |       |
|                              |                              | mg/dL                      | 1.05        | 0.82                   | -     | 1.29  | 0.08  |                               | mg/dL                       | 1.08                   | 0.84  | -     | 1.33  | 0.08  |       |
|                              | <b>BS-300</b> <sup>7</sup>   | μmol/L                     | 18.0        | 14.0                   | -     | 22.1  | 1.4   | <b>BS-620M</b> <sup>17</sup>  | μmol/L                      | 18.5                   | 14.3  | -     | 22.7  | 1.4   |       |
|                              |                              | mg/dL                      | 1.05        | 0.82                   | -     | 1.29  | 0.08  |                               | mg/dL                       | 1.08                   | 0.84  | -     | 1.33  | 0.08  |       |
|                              | <b>BS-330</b> <sup>8</sup>   | μmol/L                     | 18.5        | 14.3                   | -     | 22.7  | 1.4   | <b>BS-800</b> <sup>18</sup>   | μmol/L                      | 18.5                   | 14.3  | -     | 22.7  | 1.4   |       |
|                              |                              | mg/dL                      | 1.08        | 0.84                   | -     | 1.33  | 0.08  |                               | mg/dL                       | 1.08                   | 0.84  | -     | 1.33  | 0.08  |       |
|                              | <b>BS-330E</b> <sup>9</sup>  | μmol/L                     | 18.0        | 14.0                   | -     | 22.1  | 1.4   | <b>BS-2000</b> <sup>19</sup>  | μmol/L                      | 18.7                   | 14.5  | -     | 22.9  | 1.4   |       |
|                              |                              | mg/dL                      | 1.05        | 0.82                   | -     | 1.29  | 0.08  |                               | mg/dL                       | 1.09                   | 0.85  | -     | 1.34  | 0.08  |       |
|                              | <b>BS-360E</b> <sup>10</sup> | μmol/L                     | 18.5        | 14.3                   | -     | 22.7  | 1.4   | <b>BS-2800M</b> <sup>20</sup> | μmol/L                      | 18.5                   | 14.3  | -     | 22.7  | 1.4   |       |
|                              |                              | mg/dL                      | 1.08        | 0.84                   | -     | 1.33  | 0.08  |                               | mg/dL                       | 1.08                   | 0.84  | -     | 1.33  | 0.08  |       |
|                              | <b>Bil-T (VOX)</b>           | <b>BS-120</b> <sup>1</sup> | μmol/L      | 16.3                   | 12.6  | -     | 20.0  | 1.2                           | <b>BS-380</b> <sup>11</sup> | μmol/L                 | 16.2  | 12.6  | -     | 19.8  | 1.2   |
|                              |                              |                            | mg/dL       | 0.953                  | 0.737 | -     | 1.170 | 0.070                         |                             | mg/dL                  | 0.947 | 0.737 | -     | 1.158 | 0.070 |
|                              |                              | <b>BS-180</b> <sup>2</sup> | μmol/L      | 16.3                   | 12.6  | -     | 20.0  | 1.2                           | <b>BS-400</b> <sup>12</sup> | μmol/L                 | 16.2  | 12.6  | -     | 19.8  | 1.2   |
|                              |                              |                            | mg/dL       | 0.953                  | 0.737 | -     | 1.170 | 0.070                         |                             | mg/dL                  | 0.947 | 0.737 | -     | 1.158 | 0.070 |
| <b>BS-200</b> <sup>3</sup>   |                              | μmol/L                     | 16.3        | 12.6                   | -     | 20.0  | 1.2   | <b>BS-430</b> <sup>13</sup>   | μmol/L                      | 16.3                   | 12.6  | -     | 20.0  | 1.2   |       |
|                              |                              | mg/dL                      | 0.953       | 0.737                  | -     | 1.170 | 0.070 |                               | mg/dL                       | 0.953                  | 0.737 | -     | 1.170 | 0.070 |       |
| <b>BS-200E</b> <sup>4</sup>  |                              | μmol/L                     | 16.2        | 12.6                   | -     | 19.8  | 1.2   | <b>BS-480</b> <sup>14</sup>   | μmol/L                      | 16.3                   | 12.6  | -     | 20.0  | 1.2   |       |
|                              |                              | mg/dL                      | 0.947       | 0.737                  | -     | 1.158 | 0.070 |                               | mg/dL                       | 0.953                  | 0.737 | -     | 1.170 | 0.070 |       |
| <b>BS-230</b> <sup>5</sup>   |                              | μmol/L                     | 16.2        | 12.6                   | -     | 19.8  | 1.2   | <b>BS-600</b> <sup>15</sup>   | μmol/L                      | 16.3                   | 12.6  | -     | 20.0  | 1.2   |       |
|                              |                              | mg/dL                      | 0.947       | 0.737                  | -     | 1.158 | 0.070 |                               | mg/dL                       | 0.953                  | 0.737 | -     | 1.170 | 0.070 |       |
| <b>BS-240E</b> <sup>6</sup>  |                              | μmol/L                     | 16.3        | 12.6                   | -     | 20.0  | 1.2   | <b>BS-600M</b> <sup>16</sup>  | μmol/L                      | 16.3                   | 12.6  | -     | 20.0  | 1.2   |       |
|                              |                              | mg/dL                      | 0.953       | 0.737                  | -     | 1.170 | 0.070 |                               | mg/dL                       | 0.953                  | 0.737 | -     | 1.170 | 0.070 |       |
| <b>BS-300</b> <sup>7</sup>   |                              | μmol/L                     | 16.2        | 12.6                   | -     | 19.8  | 1.2   | <b>BS-620M</b> <sup>17</sup>  | μmol/L                      | 16.3                   | 12.6  | -     | 20.0  | 1.2   |       |
|                              |                              | mg/dL                      | 0.947       | 0.737                  | -     | 1.158 | 0.070 |                               | mg/dL                       | 0.953                  | 0.737 | -     | 1.170 | 0.070 |       |
| <b>BS-330</b> <sup>8</sup>   |                              | μmol/L                     | 16.3        | 12.6                   | -     | 20.0  | 1.2   | <b>BS-800</b> <sup>18</sup>   | μmol/L                      | 16.3                   | 12.6  | -     | 20.0  | 1.2   |       |
|                              |                              | mg/dL                      | 0.953       | 0.737                  | -     | 1.170 | 0.070 |                               | mg/dL                       | 0.953                  | 0.737 | -     | 1.170 | 0.070 |       |
| <b>BS-330E</b> <sup>9</sup>  |                              | μmol/L                     | 16.2        | 12.6                   | -     | 19.8  | 1.2   | <b>BS-2000</b> <sup>19</sup>  | 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 |       |
| <b>BS-360E</b> <sup>10</sup> |                              | μmol/L                     | 16.3        | 12.6                   | -     | 20.0  | 1.2   | <b>BS-2800M</b> <sup>20</sup> | μmol/L                      | 16.3                   | 12.6  | -     | 20.0  | 1.2   |       |
|                              |                              | mg/dL                      | 0.953       | 0.737                  | -     | 1.170 | 0.070 |                               | mg/dL                       | 0.953                  | 0.737 | -     | 1.170 | 0.070 |       |
| <b>Ca</b>                    |                              | <b>BS-120</b> <sup>1</sup> | mmol/L      | 2.17                   | 1.92  | -     | 2.42  | 0.08                          | <b>BS-380</b> <sup>11</sup> | mmol/L                 | 2.18  | 1.93  | -     | 2.43  | 0.08  |
|                              |                              |                            | mg/dL       | 8.70                   | 7.70  | -     | 9.70  | 0.32                          |                             | mg/dL                  | 8.74  | 7.74  | -     | 9.74  | 0.32  |
|                              |                              | <b>BS-180</b> <sup>2</sup> | mmol/L      | 2.17                   | 1.92  | -     | 2.42  | 0.08                          | <b>BS-400</b> <sup>12</sup> | mmol/L                 | 2.16  | 1.91  | -     | 2.41  | 0.08  |
|                              |                              |                            | mg/dL       | 8.70                   | 7.70  | -     | 9.70  | 0.32                          |                             | mg/dL                  | 8.66  | 7.66  | -     | 9.66  | 0.32  |
|                              | <b>BS-200</b> <sup>3</sup>   | mmol/L                     | 2.17        | 1.92                   | -     | 2.42  | 0.08  | <b>BS-430</b> <sup>13</sup>   | mmol/L                      | 2.14                   | 1.90  | -     | 2.38  | 0.08  |       |
|                              |                              | mg/dL                      | 8.70        | 7.70                   | -     | 9.70  | 0.32  |                               | mg/dL                       | 8.58                   | 7.62  | -     | 9.54  | 0.32  |       |
|                              | <b>BS-200E</b> <sup>4</sup>  | mmol/L                     | 2.10        | 1.86                   | -     | 2.34  | 0.08  | <b>BS-480</b> <sup>14</sup>   | mmol/L                      | 2.16                   | 1.91  | -     | 2.41  | 0.08  |       |
|                              |                              | mg/dL                      | 8.42        | 7.46                   | -     | 9.38  | 0.32  |                               | mg/dL                       | 8.66                   | 7.66  | -     | 9.66  | 0.32  |       |
|                              | <b>BS-230</b> <sup>5</sup>   | mmol/L                     | 2.13        | 1.89                   | -     | 2.37  | 0.08  | <b>BS-600</b> <sup>15</sup>   | mmol/L                      | 2.12                   | 1.88  | -     | 2.36  | 0.08  |       |
|                              |                              | mg/dL                      | 8.54        | 7.58                   | -     | 9.50  | 0.32  |                               | mg/dL                       | 8.50                   | 7.54  | -     | 9.46  | 0.32  |       |
|                              | <b>BS-240E</b> <sup>6</sup>  | mmol/L                     | 2.12        | 1.88                   | -     | 2.36  | 0.08  | <b>BS-600M</b> <sup>16</sup>  | 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  |       |
|                              | <b>BS-300</b> <sup>7</sup>   | mmol/L                     | 2.13        | 1.89                   | -     | 2.37  | 0.08  | <b>BS-620M</b> <sup>17</sup>  | mmol/L                      | 2.15                   | 1.90  | -     | 2.40  | 0.08  |       |
|                              |                              | mg/dL                      | 8.54        | 7.58                   | -     | 9.50  | 0.32  |                               | mg/dL                       | 8.62                   | 7.62  | -     | 9.62  | 0.32  |       |
|                              | <b>BS-330</b> <sup>8</sup>   | mmol/L                     | 2.17        | 1.92                   | -     | 2.42  | 0.08  | <b>BS-800</b> <sup>18</sup>   | mmol/L                      | 2.16                   | 1.91  | -     | 2.41  | 0.08  |       |
|                              |                              | mg/dL                      | 8.70        | 7.70                   | -     | 9.70  | 0.32  |                               | mg/dL                       | 8.66                   | 7.66  | -     | 9.66  | 0.32  |       |
|                              | <b>BS-330E</b> <sup>9</sup>  | mmol/L                     | 2.10        | 1.86                   | -     | 2.34  | 0.08  | <b>BS-2000</b> <sup>19</sup>  | mmol/L                      | 2.16                   | 1.91  | -     | 2.41  | 0.08  |       |
|                              |                              | mg/dL                      | 8.42        | 7.46                   | -     | 9.38  | 0.32  |                               | mg/dL                       | 8.66                   | 7.66  | -     | 9.66  | 0.32  |       |
|                              | <b>BS-360E</b> <sup>10</sup> | mmol/L                     | 2.11        | 1.87                   | -     | 2.35  | 0.08  | <b>BS-2800M</b> <sup>20</sup> | mmol/L                      | 2.13                   | 1.89  | -     | 2.37  | 0.08  |       |
|                              |                              | mg/dL                      | 8.46        | 7.50                   | -     | 9.42  | 0.32  |                               | mg/dL                       | 8.54                   | 7.58  | -     | 9.50  | 0.32  |       |

| Abbreviated name | Model                        | Unit   | Assay Value | Range(Assay Value±3SD) |   | 1 SD  | Model | Unit                          | Assay Value | Range(Assay Value±3SD) |       | 1 SD |       |       |
|------------------|------------------------------|--------|-------------|------------------------|---|-------|-------|-------------------------------|-------------|------------------------|-------|------|-------|-------|
| <b>TC</b>        | <b>BS-120</b> <sup>1</sup>   | mmol/L | 2.64        | 2.28                   | — | 3.00  | 0.12  | <b>BS-380</b> <sup>11</sup>   | mmol/L      | 2.61                   | 2.26  | —    | 2.96  | 0.12  |
|                  |                              | mg/dL  | 102         | 88                     | — | 116   | 5     |                               | mg/dL       | 101                    | 87    | —    | 114   | 5     |
|                  | <b>BS-180</b> <sup>2</sup>   | mmol/L | 2.64        | 2.28                   | — | 3.00  | 0.12  | <b>BS-400</b> <sup>12</sup>   | mmol/L      | 2.61                   | 2.26  | —    | 2.96  | 0.12  |
|                  |                              | mg/dL  | 102         | 88                     | — | 116   | 5     |                               | mg/dL       | 101                    | 87    | —    | 114   | 5     |
|                  | <b>BS-200</b> <sup>3</sup>   | mmol/L | 2.64        | 2.28                   | — | 3.00  | 0.12  | <b>BS-430</b> <sup>13</sup>   | mmol/L      | 2.58                   | 2.23  | —    | 2.93  | 0.12  |
|                  |                              | mg/dL  | 102         | 88                     | — | 116   | 5     |                               | mg/dL       | 99.7                   | 86.2  | —    | 113.3 | 4.6   |
|                  | <b>BS-200E</b> <sup>4</sup>  | mmol/L | 2.61        | 2.26                   | — | 2.96  | 0.12  | <b>BS-480</b> <sup>14</sup>   | mmol/L      | 2.58                   | 2.23  | —    | 2.93  | 0.12  |
|                  |                              | mg/dL  | 101         | 87                     | — | 114   | 5     |                               | mg/dL       | 99.7                   | 86.2  | —    | 113.3 | 4.6   |
|                  | <b>BS-230</b> <sup>5</sup>   | mmol/L | 2.63        | 2.27                   | — | 2.99  | 0.12  | <b>BS-600</b> <sup>15</sup>   | mmol/L      | 2.58                   | 2.23  | —    | 2.93  | 0.12  |
|                  |                              | mg/dL  | 102         | 88                     | — | 116   | 5     |                               | mg/dL       | 99.7                   | 86.2  | —    | 113.3 | 4.6   |
|                  | <b>BS-240E</b> <sup>6</sup>  | mmol/L | 2.55        | 2.21                   | — | 2.89  | 0.11  | <b>BS-600M</b> <sup>16</sup>  | mmol/L      | 2.59                   | 2.24  | —    | 2.94  | 0.12  |
|                  |                              | mg/dL  | 98.6        | 85.4                   | — | 111.7 | 4.3   |                               | mg/dL       | 100                    | 87    | —    | 114   | 5     |
|                  | <b>BS-300</b> <sup>7</sup>   | mmol/L | 2.65        | 2.29                   | — | 3.01  | 0.12  | <b>BS-620M</b> <sup>17</sup>  | mmol/L      | 2.59                   | 2.24  | —    | 2.94  | 0.12  |
|                  |                              | mg/dL  | 102         | 89                     | — | 116   | 5     |                               | mg/dL       | 100                    | 87    | —    | 114   | 5     |
|                  | <b>BS-330</b> <sup>8</sup>   | mmol/L | 2.64        | 2.28                   | — | 3.00  | 0.12  | <b>BS-800</b> <sup>18</sup>   | mmol/L      | 2.58                   | 2.23  | —    | 2.93  | 0.12  |
|                  |                              | mg/dL  | 102         | 88                     | — | 116   | 5     |                               | mg/dL       | 99.7                   | 86.2  | —    | 113.3 | 4.6   |
|                  | <b>BS-330E</b> <sup>9</sup>  | mmol/L | 2.61        | 2.26                   | — | 2.96  | 0.12  | <b>BS-2000</b> <sup>19</sup>  | mmol/L      | 2.59                   | 2.24  | —    | 2.94  | 0.12  |
|                  |                              | mg/dL  | 101         | 87                     | — | 114   | 5     |                               | mg/dL       | 100                    | 87    | —    | 114   | 5     |
|                  | <b>BS-360E</b> <sup>10</sup> | mmol/L | 2.58        | 2.23                   | — | 2.93  | 0.12  | <b>BS-2800M</b> <sup>20</sup> | mmol/L      | 2.59                   | 2.24  | —    | 2.94  | 0.12  |
|                  |                              | mg/dL  | 99.7        | 86.2                   | — | 113.3 | 4.6   |                               | mg/dL       | 100                    | 87    | —    | 114   | 5     |
| <b>HDL-C</b>     | <b>BS-120</b> <sup>1</sup>   | mmol/L | 0.784       | 0.608                  | — | 0.960 | 0.059 | <b>BS-380</b> <sup>11</sup>   | mmol/L      | 0.780                  | 0.605 | —    | 0.956 | 0.059 |
|                  |                              | mg/dL  | 30.3        | 23.5                   | — | 37.1  | 2.3   |                               | mg/dL       | 30.2                   | 23.4  | —    | 37.0  | 2.3   |
|                  | <b>BS-180</b> <sup>2</sup>   | mmol/L | 0.784       | 0.608                  | — | 0.960 | 0.059 | <b>BS-400</b> <sup>12</sup>   | mmol/L      | 0.758                  | 0.587 | —    | 0.929 | 0.057 |
|                  |                              | mg/dL  | 30.3        | 23.5                   | — | 37.1  | 2.3   |                               | mg/dL       | 29.3                   | 22.7  | —    | 35.9  | 2.2   |
|                  | <b>BS-200</b> <sup>3</sup>   | mmol/L | 0.776       | 0.601                  | — | 0.951 | 0.058 | <b>BS-430</b> <sup>13</sup>   | mmol/L      | 0.785                  | 0.608 | —    | 0.962 | 0.059 |
|                  |                              | mg/dL  | 30.0        | 23.2                   | — | 36.8  | 2.2   |                               | mg/dL       | 30.3                   | 23.5  | —    | 37.2  | 2.3   |
|                  | <b>BS-200E</b> <sup>4</sup>  | mmol/L | 0.752       | 0.583                  | — | 0.921 | 0.056 | <b>BS-480</b> <sup>14</sup>   | mmol/L      | 0.812                  | 0.629 | —    | 0.995 | 0.061 |
|                  |                              | mg/dL  | 29.1        | 22.5                   | — | 35.6  | 2.2   |                               | mg/dL       | 31.4                   | 24.3  | —    | 38.5  | 2.4   |
|                  | <b>BS-230</b> <sup>5</sup>   | mmol/L | 0.770       | 0.597                  | — | 0.943 | 0.058 | <b>BS-600</b> <sup>15</sup>   | mmol/L      | 0.749                  | 0.580 | —    | 0.918 | 0.056 |
|                  |                              | mg/dL  | 29.8        | 23.1                   | — | 36.5  | 2.2   |                               | mg/dL       | 29.0                   | 22.4  | —    | 35.5  | 2.2   |
|                  | <b>BS-240E</b> <sup>6</sup>  | mmol/L | 0.772       | 0.598                  | — | 0.946 | 0.058 | <b>BS-600M</b> <sup>16</sup>  | mmol/L      | 0.764                  | 0.592 | —    | 0.936 | 0.057 |
|                  |                              | mg/dL  | 29.8        | 23.1                   | — | 36.6  | 2.2   |                               | mg/dL       | 29.5                   | 22.9  | —    | 36.2  | 2.2   |
|                  | <b>BS-300</b> <sup>7</sup>   | mmol/L | 0.769       | 0.596                  | — | 0.942 | 0.058 | <b>BS-620M</b> <sup>17</sup>  | mmol/L      | 0.764                  | 0.592 | —    | 0.936 | 0.057 |
|                  |                              | mg/dL  | 29.7        | 23.0                   | — | 36.4  | 2.2   |                               | mg/dL       | 29.5                   | 22.9  | —    | 36.2  | 2.2   |
|                  | <b>BS-330</b> <sup>8</sup>   | mmol/L | 0.776       | 0.601                  | — | 0.951 | 0.058 | <b>BS-800</b> <sup>18</sup>   | mmol/L      | 0.782                  | 0.606 | —    | 0.958 | 0.059 |
|                  |                              | mg/dL  | 30.0        | 23.2                   | — | 36.8  | 2.2   |                               | mg/dL       | 30.2                   | 23.4  | —    | 37.0  | 2.3   |
|                  | <b>BS-330E</b> <sup>9</sup>  | mmol/L | 0.752       | 0.583                  | — | 0.921 | 0.056 | <b>BS-2000</b> <sup>19</sup>  | mmol/L      | 0.788                  | 0.611 | —    | 0.965 | 0.059 |
|                  |                              | mg/dL  | 29.1        | 22.5                   | — | 35.6  | 2.2   |                               | mg/dL       | 30.5                   | 23.6  | —    | 37.3  | 2.3   |
|                  | <b>BS-360E</b> <sup>10</sup> | mmol/L | 0.759       | 0.588                  | — | 0.930 | 0.057 | <b>BS-2800M</b> <sup>20</sup> | mmol/L      | 0.763                  | 0.591 | —    | 0.935 | 0.057 |
|                  |                              | mg/dL  | 29.3        | 22.7                   | — | 36.0  | 2.2   |                               | mg/dL       | 29.5                   | 22.8  | —    | 36.1  | 2.2   |
| <b>LDL-C</b>     | <b>BS-120</b> <sup>1</sup>   | mmol/L | 1.57        | 1.22                   | — | 1.92  | 0.12  | <b>BS-380</b> <sup>11</sup>   | mmol/L      | 1.61                   | 1.25  | —    | 1.97  | 0.12  |
|                  |                              | mg/dL  | 60.7        | 47.2                   | — | 74.2  | 4.6   |                               | mg/dL       | 62.2                   | 48.3  | —    | 76.2  | 4.6   |
|                  | <b>BS-180</b> <sup>2</sup>   | mmol/L | 1.57        | 1.22                   | — | 1.92  | 0.12  | <b>BS-400</b> <sup>12</sup>   | mmol/L      | 1.63                   | 1.26  | —    | 2.00  | 0.12  |
|                  |                              | mg/dL  | 60.7        | 47.2                   | — | 74.2  | 4.6   |                               | mg/dL       | 63.0                   | 48.7  | —    | 77.3  | 4.6   |
|                  | <b>BS-200</b> <sup>3</sup>   | mmol/L | 1.60        | 1.24                   | — | 1.96  | 0.12  | <b>BS-430</b> <sup>13</sup>   | mmol/L      | 1.61                   | 1.25  | —    | 1.97  | 0.12  |
|                  |                              | mg/dL  | 61.9        | 47.9                   | — | 75.8  | 4.6   |                               | mg/dL       | 62.2                   | 48.3  | —    | 76.2  | 4.6   |
|                  | <b>BS-200E</b> <sup>4</sup>  | mmol/L | 1.60        | 1.24                   | — | 1.96  | 0.12  | <b>BS-480</b> <sup>14</sup>   | mmol/L      | 1.66                   | 1.29  | —    | 2.03  | 0.12  |
|                  |                              | mg/dL  | 61.9        | 47.9                   | — | 75.8  | 4.6   |                               | mg/dL       | 64.2                   | 49.9  | —    | 78.5  | 4.6   |
|                  | <b>BS-230</b> <sup>5</sup>   | mmol/L | 1.56        | 1.21                   | — | 1.91  | 0.12  | <b>BS-600</b> <sup>15</sup>   | mmol/L      | 1.61                   | 1.25  | —    | 1.97  | 0.12  |
|                  |                              | mg/dL  | 60.3        | 46.8                   | — | 73.8  | 4.6   |                               | mg/dL       | 62.2                   | 48.3  | —    | 76.2  | 4.6   |
|                  | <b>BS-240E</b> <sup>6</sup>  | mmol/L | 1.61        | 1.25                   | — | 1.97  | 0.12  | <b>BS-600M</b> <sup>16</sup>  | mmol/L      | 1.64                   | 1.27  | —    | 2.01  | 0.12  |
|                  |                              | mg/dL  | 62.2        | 48.3                   | — | 76.2  | 4.6   |                               | mg/dL       | 63.4                   | 49.1  | —    | 77.7  | 4.6   |
|                  | <b>BS-300</b> <sup>7</sup>   | mmol/L | 1.63        | 1.26                   | — | 2.00  | 0.12  | <b>BS-620M</b> <sup>17</sup>  | mmol/L      | 1.64                   | 1.27  | —    | 2.01  | 0.12  |
|                  |                              | mg/dL  | 63.0        | 48.7                   | — | 77.3  | 4.6   |                               | mg/dL       | 63.4                   | 49.1  | —    | 77.7  | 4.6   |
|                  | <b>BS-330</b> <sup>8</sup>   | mmol/L | 1.60        | 1.24                   | — | 1.96  | 0.12  | <b>BS-800</b> <sup>18</sup>   | mmol/L      | 1.62                   | 1.26  | —    | 1.98  | 0.12  |
|                  |                              | mg/dL  | 61.9        | 47.9                   | — | 75.8  | 4.6   |                               | mg/dL       | 62.6                   | 48.7  | —    | 76.5  | 4.6   |
|                  | <b>BS-330E</b> <sup>9</sup>  | mmol/L | 1.60        | 1.24                   | — | 1.96  | 0.12  | <b>BS-2000</b> <sup>19</sup>  | mmol/L      | 1.63                   | 1.26  | —    | 2.00  | 0.12  |
|                  |                              | mg/dL  | 61.9        | 47.9                   | — | 75.8  | 4.6   |                               | mg/dL       | 63.0                   | 48.7  | —    | 77.3  | 4.6   |
|                  | <b>BS-360E</b> <sup>10</sup> | mmol/L | 1.62        | 1.26                   | — | 1.98  | 0.12  | <b>BS-2800M</b> <sup>20</sup> | mmol/L      | 1.64                   | 1.27  | —    | 2.01  | 0.12  |
|                  |                              | mg/dL  | 62.6        | 48.7                   | — | 76.5  | 4.6   |                               | mg/dL       | 63.4                   | 49.1  | —    | 77.7  | 4.6   |

| Abbreviated name  | Model                        | Unit   | Assay Value | Range(Assay Value±3SD) | 1 SD  | Model                         | Unit   | Assay Value | Range(Assay Value±3SD) | 1 SD  |
|-------------------|------------------------------|--------|-------------|------------------------|-------|-------------------------------|--------|-------------|------------------------|-------|
| <b>CK</b>         | <b>BS-120</b> <sup>1</sup>   | U/L    | 141         | 120 — 162              | 7     | <b>BS-380</b> <sup>11</sup>   | U/L    | 141         | 120 — 162              | 7     |
|                   |                              | µkat/L | 2.35        | 2.00 — 2.71            | 0.12  |                               | µkat/L | 2.35        | 2.00 — 2.71            | 0.12  |
|                   | <b>BS-180</b> <sup>2</sup>   | U/L    | 141         | 120 — 162              | 7     | <b>BS-400</b> <sup>12</sup>   | U/L    | 141         | 120 — 162              | 7     |
|                   |                              | µkat/L | 2.35        | 2.00 — 2.71            | 0.12  |                               | µkat/L | 2.35        | 2.00 — 2.71            | 0.12  |
|                   | <b>BS-200</b> <sup>3</sup>   | U/L    | 140         | 119 — 161              | 7     | <b>BS-430</b> <sup>13</sup>   | 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  |
|                   | <b>BS-200E</b> <sup>4</sup>  | U/L    | 141         | 120 — 162              | 7     | <b>BS-480</b> <sup>14</sup>   | U/L    | 141         | 120 — 162              | 7     |
|                   |                              | µkat/L | 2.35        | 2.00 — 2.71            | 0.12  |                               | µkat/L | 2.35        | 2.00 — 2.71            | 0.12  |
|                   | <b>BS-230</b> <sup>5</sup>   | U/L    | 144         | 122 — 166              | 7     | <b>BS-600</b> <sup>15</sup>   | U/L    | 142         | 121 — 163              | 7     |
|                   |                              | µkat/L | 2.40        | 2.04 — 2.77            | 0.12  |                               | µkat/L | 2.37        | 2.02 — 2.72            | 0.12  |
|                   | <b>BS-240E</b> <sup>6</sup>  | U/L    | 141         | 120 — 162              | 7     | <b>BS-600M</b> <sup>16</sup>  | U/L    | 140         | 119 — 161              | 7     |
|                   |                              | µkat/L | 2.35        | 2.00 — 2.71            | 0.12  |                               | µkat/L | 2.34        | 1.99 — 2.69            | 0.12  |
|                   | <b>BS-300</b> <sup>7</sup>   | U/L    | 141         | 120 — 162              | 7     | <b>BS-620M</b> <sup>17</sup>  | U/L    | 140         | 119 — 161              | 7     |
|                   |                              | µkat/L | 2.35        | 2.00 — 2.71            | 0.12  |                               | µkat/L | 2.34        | 1.99 — 2.69            | 0.12  |
|                   | <b>BS-330</b> <sup>8</sup>   | U/L    | 140         | 119 — 161              | 7     | <b>BS-800</b> <sup>18</sup>   | 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  |
|                   | <b>BS-330E</b> <sup>9</sup>  | U/L    | 141         | 120 — 162              | 7     | <b>BS-2000</b> <sup>19</sup>  | U/L    | 140         | 119 — 161              | 7     |
|                   |                              | µkat/L | 2.35        | 2.00 — 2.71            | 0.12  |                               | µkat/L | 2.34        | 1.99 — 2.69            | 0.12  |
|                   | <b>BS-360E</b> <sup>10</sup> | U/L    | 141         | 120 — 162              | 7     | <b>BS-2800M</b> <sup>20</sup> | U/L    | 140         | 119 — 161              | 7     |
|                   |                              | µkat/L | 2.35        | 2.00 — 2.71            | 0.12  |                               | µkat/L | 2.34        | 1.99 — 2.69            | 0.12  |
| <b>CK-MB</b>      | <b>BS-120</b> <sup>1</sup>   | U/L    | 44.8        | 34.7 — 54.9            | 3.4   | <b>BS-380</b> <sup>11</sup>   | U/L    | 46.2        | 35.8 — 56.6            | 3.5   |
|                   |                              | µkat/L | 0.748       | 0.579 — 0.917          | 0.057 |                               | µkat/L | 0.772       | 0.598 — 0.945          | 0.058 |
|                   | <b>BS-180</b> <sup>2</sup>   | U/L    | 44.8        | 34.7 — 54.9            | 3.4   | <b>BS-400</b> <sup>12</sup>   | U/L    | 44.6        | 34.6 — 54.6            | 3.3   |
|                   |                              | µkat/L | 0.748       | 0.579 — 0.917          | 0.057 |                               | µkat/L | 0.745       | 0.578 — 0.912          | 0.055 |
|                   | <b>BS-200</b> <sup>3</sup>   | U/L    | 44.6        | 34.6 — 54.6            | 3.3   | <b>BS-430</b> <sup>13</sup>   | U/L    | 44.7        | 34.6 — 54.8            | 3.4   |
|                   |                              | µkat/L | 0.745       | 0.578 — 0.912          | 0.055 |                               | µkat/L | 0.746       | 0.578 — 0.915          | 0.057 |
|                   | <b>BS-200E</b> <sup>4</sup>  | U/L    | 44.7        | 34.6 — 54.8            | 3.4   | <b>BS-480</b> <sup>14</sup>   | U/L    | 44.3        | 34.3 — 54.3            | 3.3   |
|                   |                              | µkat/L | 0.746       | 0.578 — 0.915          | 0.057 |                               | µkat/L | 0.740       | 0.573 — 0.907          | 0.055 |
|                   | <b>BS-230</b> <sup>5</sup>   | U/L    | 44.7        | 34.6 — 54.8            | 3.4   | <b>BS-600</b> <sup>15</sup>   | U/L    | 45.2        | 35.0 — 55.4            | 3.4   |
|                   |                              | µkat/L | 0.746       | 0.578 — 0.915          | 0.057 |                               | µkat/L | 0.755       | 0.585 — 0.925          | 0.057 |
|                   | <b>BS-240E</b> <sup>6</sup>  | U/L    | 45.1        | 35.0 — 55.2            | 3.4   | <b>BS-600M</b> <sup>16</sup>  | U/L    | 45.3        | 35.1 — 55.5            | 3.4   |
|                   |                              | µkat/L | 0.753       | 0.585 — 0.922          | 0.057 |                               | µkat/L | 0.757       | 0.586 — 0.927          | 0.057 |
|                   | <b>BS-300</b> <sup>7</sup>   | U/L    | 45.5        | 35.3 — 55.7            | 3.4   | <b>BS-620M</b> <sup>17</sup>  | U/L    | 45.3        | 35.1 — 55.5            | 3.4   |
|                   |                              | µkat/L | 0.760       | 0.590 — 0.930          | 0.057 |                               | µkat/L | 0.757       | 0.586 — 0.927          | 0.057 |
|                   | <b>BS-330</b> <sup>8</sup>   | U/L    | 44.6        | 34.6 — 54.6            | 3.3   | <b>BS-800</b> <sup>18</sup>   | U/L    | 44.9        | 34.8 — 55.0            | 3.4   |
|                   |                              | µkat/L | 0.745       | 0.578 — 0.912          | 0.055 |                               | µkat/L | 0.750       | 0.581 — 0.919          | 0.057 |
|                   | <b>BS-330E</b> <sup>9</sup>  | U/L    | 44.7        | 34.6 — 54.8            | 3.4   | <b>BS-2000</b> <sup>19</sup>  | U/L    | 44.8        | 34.7 — 54.9            | 3.4   |
|                   |                              | µkat/L | 0.746       | 0.578 — 0.915          | 0.057 |                               | µkat/L | 0.748       | 0.579 — 0.917          | 0.057 |
|                   | <b>BS-360E</b> <sup>10</sup> | U/L    | 44.2        | 34.3 — 54.1            | 3.3   | <b>BS-2800M</b> <sup>20</sup> | U/L    | 45.5        | 35.3 — 55.7            | 3.4   |
|                   |                              | µkat/L | 0.738       | 0.573 — 0.903          | 0.055 |                               | µkat/L | 0.760       | 0.590 — 0.930          | 0.057 |
| <b>Crea (SOX)</b> | <b>BS-120</b> <sup>1</sup>   | µmol/L | 86.5        | 73.5 — 99.5            | 4.3   | <b>BS-380</b> <sup>11</sup>   | µmol/L | 87.3        | 74.2 — 100.4           | 4.4   |
|                   |                              | mg/dL  | 0.979       | 0.831 — 1.126          | 0.049 |                               | mg/dL  | 0.988       | 0.839 — 1.136          | 0.050 |
|                   | <b>BS-180</b> <sup>2</sup>   | µmol/L | 86.5        | 73.5 — 99.5            | 4.3   | <b>BS-400</b> <sup>12</sup>   | µmol/L | 87.0        | 74.0 — 100.1           | 4.4   |
|                   |                              | mg/dL  | 0.979       | 0.831 — 1.126          | 0.049 |                               | mg/dL  | 0.984       | 0.837 — 1.132          | 0.050 |
|                   | <b>BS-200</b> <sup>3</sup>   | µmol/L | 87.5        | 74.4 — 100.6           | 4.4   | <b>BS-430</b> <sup>13</sup>   | µmol/L | 88.1        | 74.9 — 101.3           | 4.4   |
|                   |                              | mg/dL  | 0.990       | 0.842 — 1.138          | 0.050 |                               | mg/dL  | 0.997       | 0.847 — 1.146          | 0.050 |
|                   | <b>BS-200E</b> <sup>4</sup>  | µmol/L | 84.5        | 71.8 — 97.2            | 4.2   | <b>BS-480</b> <sup>14</sup>   | µmol/L | 87.7        | 74.5 — 100.9           | 4.4   |
|                   |                              | mg/dL  | 0.956       | 0.812 — 1.100          | 0.048 |                               | mg/dL  | 0.992       | 0.843 — 1.141          | 0.050 |
|                   | <b>BS-230</b> <sup>5</sup>   | µmol/L | 88.1        | 74.9 — 101.3           | 4.4   | <b>BS-600</b> <sup>15</sup>   | µmol/L | 85.5        | 72.7 — 98.3            | 4.3   |
|                   |                              | mg/dL  | 0.997       | 0.847 — 1.146          | 0.050 |                               | mg/dL  | 0.967       | 0.822 — 1.112          | 0.049 |
|                   | <b>BS-240E</b> <sup>6</sup>  | µmol/L | 87.5        | 74.4 — 100.6           | 4.4   | <b>BS-600M</b> <sup>16</sup>  | µmol/L | 87.7        | 74.5 — 100.9           | 4.4   |
|                   |                              | mg/dL  | 0.990       | 0.842 — 1.138          | 0.050 |                               | mg/dL  | 0.992       | 0.843 — 1.141          | 0.050 |
|                   | <b>BS-300</b> <sup>7</sup>   | µmol/L | 87.6        | 74.5 — 100.7           | 4.4   | <b>BS-620M</b> <sup>17</sup>  | µmol/L | 80.3        | 68.3 — 92.3            | 4.0   |
|                   |                              | mg/dL  | 0.991       | 0.843 — 1.139          | 0.050 |                               | mg/dL  | 0.908       | 0.773 — 1.044          | 0.045 |
|                   | <b>BS-330</b> <sup>8</sup>   | µmol/L | 87.5        | 74.4 — 100.6           | 4.4   | <b>BS-800</b> <sup>18</sup>   | µmol/L | 81.1        | 68.9 — 93.3            | 4.1   |
|                   |                              | mg/dL  | 0.990       | 0.842 — 1.138          | 0.050 |                               | mg/dL  | 0.917       | 0.779 — 1.055          | 0.046 |
|                   | <b>BS-330E</b> <sup>9</sup>  | µmol/L | 84.5        | 71.8 — 97.2            | 4.2   | <b>BS-2000</b> <sup>19</sup>  | µmol/L | 80.2        | 68.2 — 92.2            | 4.0   |
|                   |                              | mg/dL  | 0.956       | 0.812 — 1.100          | 0.048 |                               | mg/dL  | 0.907       | 0.771 — 1.043          | 0.045 |
|                   | <b>BS-360E</b> <sup>10</sup> | µmol/L | 87.5        | 74.4 — 100.6           | 4.4   | <b>BS-2800M</b> <sup>20</sup> | µmol/L | 80.3        | 68.3 — 92.3            | 4.0   |
|                   |                              | mg/dL  | 0.990       | 0.842 — 1.138          | 0.050 |                               | mg/dL  | 0.908       | 0.773 — 1.044          | 0.045 |

Note: This reference value is only applicable to 141121019 and subsequent batch reagents

| Abbreviated name  | Model                 | Unit                | Assay Value | Range(Assay Value±3SD) |      |      | 1 SD                   | Model                  | Unit                 | Assay Value | Range(Assay Value±3SD) |      |      | 1 SD |      |
|---|-----------------------|---------------------|-------------|------------------------|------|------|------------------------|------------------------|----------------------|-------------|------------------------|------|------|------|------|
| <b>Crea (SOX)</b><br>Note: This reference value is only applicable to 141121018 and before batch reagents | BS-120 <sup>1</sup>   | μmol/L              | /           | /                      | /    | /    | /                      | BS-380 <sup>11</sup>   | μmol/L               | /           | /                      | /    | /    | /    |      |
|   |                       | mg/dL               | /           | /                      | /    | /    | /                      |                        | mg/dL                | /           | /                      | /    | /    | /    |      |
|   | BS-180 <sup>2</sup>   | μmol/L              | /           | /                      | /    | /    | /                      | BS-400 <sup>12</sup>   | μmol/L               | /           | /                      | /    | /    | /    |      |
|   |                       | mg/dL               | /           | /                      | /    | /    | /                      |                        | mg/dL                | /           | /                      | /    | /    | /    |      |
|   | BS-200 <sup>3</sup>   | μmol/L              | /           | /                      | /    | /    | /                      | BS-430 <sup>13</sup>   | μmol/L               | /           | /                      | /    | /    | /    |      |
|   |                       | mg/dL               | /           | /                      | /    | /    | /                      |                        | mg/dL                | /           | /                      | /    | /    | /    |      |
|   | BS-200E <sup>4</sup>  | μmol/L              | /           | /                      | /    | /    | /                      | BS-480 <sup>14</sup>   | μmol/L               | /           | /                      | /    | /    | /    |      |
|   |                       | mg/dL               | /           | /                      | /    | /    | /                      |                        | mg/dL                | /           | /                      | /    | /    | /    |      |
|   | BS-230 <sup>5</sup>   | μmol/L              | /           | /                      | /    | /    | /                      | BS-600 <sup>15</sup>   | μmol/L               | /           | /                      | /    | /    | /    |      |
|   |                       | mg/dL               | /           | /                      | /    | /    | /                      |                        | mg/dL                | /           | /                      | /    | /    | /    |      |
|   | BS-240E <sup>6</sup>  | μmol/L              | /           | /                      | /    | /    | /                      | BS-600M <sup>16</sup>  | μmol/L               | /           | /                      | /    | /    | /    |      |
|   |                       | mg/dL               | /           | /                      | /    | /    | /                      |                        | mg/dL                | /           | /                      | /    | /    | /    |      |
| BS-300 <sup>7</sup>   | μmol/L                | /                   | /           | /                      | /    | /    | BS-620M <sup>17</sup>  | μmol/L                 | /                    | /           | /                      | /    | /    |      |      |
|   | mg/dL                 | /                   | /           | /                      | /    | /    |                        | mg/dL                  | /                    | /           | /                      | /    | /    |      |      |
| BS-330 <sup>8</sup>   | μmol/L                | /                   | /           | /                      | /    | /    | BS-800 <sup>18</sup>   | μmol/L                 | /                    | /           | /                      | /    | /    |      |      |
|   | mg/dL                 | /                   | /           | /                      | /    | /    |                        | mg/dL                  | /                    | /           | /                      | /    | /    |      |      |
| BS-330E <sup>9</sup>  | μmol/L                | /                   | /           | /                      | /    | /    | BS-2000 <sup>19</sup>  | μmol/L                 | /                    | /           | /                      | /    | /    |      |      |
|   | mg/dL                 | /                   | /           | /                      | /    | /    |                        | mg/dL                  | /                    | /           | /                      | /    | /    |      |      |
| BS-360E <sup>10</sup>   | μmol/L                | /                   | /           | /                      | /    | /    | BS-2800M <sup>20</sup> | μmol/L                 | /                    | /           | /                      | /    | /    |      |      |
|   | mg/dL                 | /                   | /           | /                      | /    | /    |                        | mg/dL                  | /                    | /           | /                      | /    | /    |      |      |
| <b>GLU (GOD)</b>  | BS-120 <sup>1</sup>   | mmol/L              | 5.75        | 4.89                   | —    | 6.61 | 0.29                   | BS-380 <sup>11</sup>   | mmol/L               | 5.69        | 4.84                   | —    | 6.54 | 0.28 |      |
|   |                       | mg/dL               | 104         | 88                     | —    | 119  | 5                      |                        | mg/dL                | 103         | 87                     | —    | 118  | 5    |      |
|   | BS-180 <sup>2</sup>   | mmol/L              | 5.75        | 4.89                   | —    | 6.61 | 0.29                   | BS-400 <sup>12</sup>   | mmol/L               | 5.70        | 4.85                   | —    | 6.56 | 0.29 |      |
|   |                       | mg/dL               | 104         | 88                     | —    | 119  | 5                      |                        | mg/dL                | 103         | 87                     | —    | 118  | 5    |      |
|   | BS-200 <sup>3</sup>   | mmol/L              | 5.72        | 4.86                   | —    | 6.58 | 0.29                   | BS-430 <sup>13</sup>   | mmol/L               | 5.67        | 4.82                   | —    | 6.52 | 0.28 |      |
|   |                       | mg/dL               | 103         | 88                     | —    | 119  | 5                      |                        | mg/dL                | 102         | 87                     | —    | 117  | 5    |      |
|   | BS-200E <sup>4</sup>  | mmol/L              | 5.57        | 4.73                   | —    | 6.41 | 0.28                   | BS-480 <sup>14</sup>   | mmol/L               | 5.68        | 4.83                   | —    | 6.53 | 0.28 |      |
|   |                       | mg/dL               | 100         | 85                     | —    | 115  | 5                      |                        | mg/dL                | 102         | 87                     | —    | 118  | 5    |      |
|   | BS-230 <sup>5</sup>   | mmol/L              | 5.77        | 4.90                   | —    | 6.64 | 0.29                   | BS-600 <sup>15</sup>   | mmol/L               | 5.62        | 4.78                   | —    | 6.46 | 0.28 |      |
|   |                       | mg/dL               | 104         | 88                     | —    | 120  | 5                      |                        | mg/dL                | 101         | 86                     | —    | 116  | 5    |      |
|   | BS-240E <sup>6</sup>  | mmol/L              | 5.59        | 4.75                   | —    | 6.43 | 0.28                   | BS-600M <sup>16</sup>  | mmol/L               | 5.68        | 4.83                   | —    | 6.53 | 0.28 |      |
|   |                       | mg/dL               | 101         | 86                     | —    | 116  | 5                      |                        | mg/dL                | 102         | 87                     | —    | 118  | 5    |      |
|   | BS-300 <sup>7</sup>   | mmol/L              | 5.73        | 4.87                   | —    | 6.59 | 0.29                   | BS-620M <sup>17</sup>  | mmol/L               | 5.68        | 4.83                   | —    | 6.53 | 0.28 |      |
|   |                       | mg/dL               | 103         | 88                     | —    | 119  | 5                      |                        | mg/dL                | 102         | 87                     | —    | 118  | 5    |      |
|   | BS-330 <sup>8</sup>   | mmol/L              | 5.72        | 4.86                   | —    | 6.58 | 0.29                   | BS-800 <sup>18</sup>   | mmol/L               | 5.58        | 4.74                   | —    | 6.42 | 0.28 |      |
|   |                       | mg/dL               | 103         | 88                     | —    | 119  | 5                      |                        | mg/dL                | 101         | 85                     | —    | 116  | 5    |      |
|   | BS-330E <sup>9</sup>  | mmol/L              | 5.57        | 4.73                   | —    | 6.41 | 0.28                   | BS-2000 <sup>19</sup>  | mmol/L               | 5.65        | 4.80                   | —    | 6.50 | 0.28 |      |
|   |                       | mg/dL               | 100         | 85                     | —    | 115  | 5                      |                        | mg/dL                | 102         | 86                     | —    | 117  | 5    |      |
|   | BS-360E <sup>10</sup> | mmol/L              | 5.65        | 4.80                   | —    | 6.50 | 0.28                   | BS-2800M <sup>20</sup> | mmol/L               | 5.68        | 4.83                   | —    | 6.53 | 0.28 |      |
|   |                       | mg/dL               | 102         | 86                     | —    | 117  | 5                      |                        | mg/dL                | 102         | 87                     | —    | 118  | 5    |      |
|   | <b>GLU (HK)</b>       | BS-120 <sup>1</sup> | mmol/L      | 5.82                   | 4.95 | —    | 6.69                   | 0.29                   | BS-380 <sup>11</sup> | mmol/L      | 5.84                   | 4.96 | —    | 6.72 | 0.29 |
|   |                       |                     | mg/dL       | 105                    | 89   | —    | 121                    | 5                      |                      | mg/dL       | 105                    | 89   | —    | 121  | 5    |
|   |                       | BS-180 <sup>2</sup> | mmol/L      | 5.82                   | 4.95 | —    | 6.69                   | 0.29                   | BS-400 <sup>12</sup> | mmol/L      | 5.80                   | 4.93 | —    | 6.67 | 0.29 |
|   |                       |                     | mg/dL       | 105                    | 89   | —    | 121                    | 5                      |                      | mg/dL       | 105                    | 89   | —    | 120  | 5    |
| BS-200 <sup>3</sup>   |                       | mmol/L              | 5.79        | 4.92                   | —    | 6.66 | 0.29                   | BS-430 <sup>13</sup>   | mmol/L               | 5.68        | 4.83                   | —    | 6.53 | 0.28 |      |
|   |                       | mg/dL               | 104         | 89                     | —    | 120  | 5                      |                        | mg/dL                | 102         | 87                     | —    | 118  | 5    |      |
| BS-200E <sup>4</sup>  |                       | mmol/L              | 5.77        | 4.90                   | —    | 6.64 | 0.29                   | BS-480 <sup>14</sup>   | mmol/L               | 5.64        | 4.79                   | —    | 6.49 | 0.28 |      |
|   |                       | mg/dL               | 104         | 88                     | —    | 120  | 5                      |                        | mg/dL                | 102         | 86                     | —    | 117  | 5    |      |
| BS-230 <sup>5</sup>   |                       | mmol/L              | 5.72        | 4.86                   | —    | 6.58 | 0.29                   | BS-600 <sup>15</sup>   | mmol/L               | 5.69        | 4.84                   | —    | 6.54 | 0.28 |      |
|   |                       | mg/dL               | 103         | 88                     | —    | 119  | 5                      |                        | mg/dL                | 103         | 87                     | —    | 118  | 5    |      |
| BS-240E <sup>6</sup>  |                       | mmol/L              | 5.60        | 4.76                   | —    | 6.44 | 0.28                   | BS-600M <sup>16</sup>  | mmol/L               | 5.64        | 4.79                   | —    | 6.49 | 0.28 |      |
|   |                       | mg/dL               | 101         | 86                     | —    | 116  | 5                      |                        | mg/dL                | 102         | 86                     | —    | 117  | 5    |      |
| BS-300 <sup>7</sup>   |                       | mmol/L              | 5.77        | 4.90                   | —    | 6.64 | 0.29                   | BS-620M <sup>17</sup>  | mmol/L               | 5.64        | 4.79                   | —    | 6.49 | 0.28 |      |
|   |                       | mg/dL               | 104         | 88                     | —    | 120  | 5                      |                        | mg/dL                | 102         | 86                     | —    | 117  | 5    |      |
| BS-330 <sup>8</sup>   |                       | mmol/L              | 5.79        | 4.92                   | —    | 6.66 | 0.29                   | BS-800 <sup>18</sup>   | mmol/L               | 5.68        | 4.83                   | —    | 6.53 | 0.28 |      |
|   |                       | mg/dL               | 104         | 89                     | —    | 120  | 5                      |                        | mg/dL                | 102         | 87                     | —    | 118  | 5    |      |
| BS-330E <sup>9</sup>  |                       | mmol/L              | 5.77        | 4.90                   | —    | 6.64 | 0.29                   | BS-2000 <sup>19</sup>  | mmol/L               | 5.74        | 4.88                   | —    | 6.60 | 0.29 |      |
|   |                       | mg/dL               | 104         | 88                     | —    | 120  | 5                      |                        | mg/dL                | 103         | 88                     | —    | 119  | 5    |      |
| BS-360E <sup>10</sup>   |                       | mmol/L              | 5.56        | 4.73                   | —    | 6.39 | 0.28                   | BS-2800M <sup>20</sup> | mmol/L               | 5.70        | 4.85                   | —    | 6.56 | 0.29 |      |
|   |                       | mg/dL               | 100         | 85                     | —    | 115  | 5                      |                        | mg/dL                | 103         | 87                     | —    | 118  | 5    |      |



| Abbreviated name | Model                        | Unit   | Assay Value | Range(Assay Value±3SD) |   | 1 SD  | Model | Unit                          | Assay Value | Range(Assay Value±3SD) |       | 1 SD |       |       |
|------------------|------------------------------|--------|-------------|------------------------|---|-------|-------|-------------------------------|-------------|------------------------|-------|------|-------|-------|
| <b>GGT</b>       | <b>BS-120</b> <sup>1</sup>   | U/L    | 48.5        | 41.2                   | — | 55.8  | 2.4   | <b>BS-380</b> <sup>11</sup>   | U/L         | 48.9                   | 41.6  | —    | 56.2  | 2.4   |
|                  |                              | μkat/L | 0.810       | 0.688                  | — | 0.932 | 0.040 |                               | μkat/L      | 0.817                  | 0.695 | —    | 0.939 | 0.040 |
|                  | <b>BS-180</b> <sup>2</sup>   | U/L    | 48.5        | 41.2                   | — | 55.8  | 2.4   | <b>BS-400</b> <sup>12</sup>   | U/L         | 48.9                   | 41.6  | —    | 56.2  | 2.4   |
|                  |                              | μkat/L | 0.810       | 0.688                  | — | 0.932 | 0.040 |                               | μkat/L      | 0.817                  | 0.695 | —    | 0.939 | 0.04  |
|                  | <b>BS-200</b> <sup>3</sup>   | U/L    | 48.5        | 41.2                   | — | 55.8  | 2.4   | <b>BS-430</b> <sup>13</sup>   | U/L         | 49.0                   | 41.7  | —    | 56.4  | 2.5   |
|                  |                              | μkat/L | 0.810       | 0.688                  | — | 0.932 | 0.040 |                               | μkat/L      | 0.818                  | 0.696 | —    | 0.942 | 0.042 |
|                  | <b>BS-200E</b> <sup>4</sup>  | U/L    | 48.4        | 41.1                   | — | 55.7  | 2.4   | <b>BS-480</b> <sup>14</sup>   | U/L         | 49.0                   | 41.7  | —    | 56.4  | 2.5   |
|                  |                              | μkat/L | 0.808       | 0.686                  | — | 0.930 | 0.040 |                               | μkat/L      | 0.818                  | 0.696 | —    | 0.942 | 0.042 |
|                  | <b>BS-230</b> <sup>5</sup>   | U/L    | 48.8        | 41.5                   | — | 56.1  | 2.4   | <b>BS-600</b> <sup>15</sup>   | U/L         | 49.0                   | 41.7  | —    | 56.4  | 2.5   |
|                  |                              | μkat/L | 0.815       | 0.693                  | — | 0.937 | 0.040 |                               | μkat/L      | 0.818                  | 0.696 | —    | 0.942 | 0.042 |
|                  | <b>BS-240E</b> <sup>6</sup>  | U/L    | 49.0        | 41.7                   | — | 56.4  | 2.5   | <b>BS-600M</b> <sup>16</sup>  | U/L         | 49.0                   | 41.7  | —    | 56.4  | 2.5   |
|                  |                              | μkat/L | 0.818       | 0.696                  | — | 0.942 | 0.042 |                               | μkat/L      | 0.818                  | 0.696 | —    | 0.942 | 0.042 |
|                  | <b>BS-300</b> <sup>7</sup>   | U/L    | 48.9        | 41.6                   | — | 56.2  | 2.4   | <b>BS-620M</b> <sup>17</sup>  | U/L         | 49.0                   | 41.7  | —    | 56.4  | 2.5   |
|                  |                              | μkat/L | 0.817       | 0.695                  | — | 0.939 | 0.04  |                               | μkat/L      | 0.818                  | 0.696 | —    | 0.942 | 0.042 |
|                  | <b>BS-330</b> <sup>8</sup>   | U/L    | 48.5        | 41.2                   | — | 55.8  | 2.4   | <b>BS-800</b> <sup>18</sup>   | U/L         | 49.0                   | 41.7  | —    | 56.4  | 2.5   |
|                  |                              | μkat/L | 0.810       | 0.688                  | — | 0.932 | 0.040 |                               | μkat/L      | 0.818                  | 0.696 | —    | 0.942 | 0.042 |
|                  | <b>BS-330E</b> <sup>9</sup>  | U/L    | 48.4        | 41.1                   | — | 55.7  | 2.4   | <b>BS-2000</b> <sup>19</sup>  | U/L         | 49.2                   | 41.8  | —    | 56.6  | 2.5   |
|                  |                              | μkat/L | 0.808       | 0.686                  | — | 0.930 | 0.040 |                               | μkat/L      | 0.822                  | 0.698 | —    | 0.945 | 0.042 |
|                  | <b>BS-360E</b> <sup>10</sup> | U/L    | 48.7        | 41.4                   | — | 56.0  | 2.4   | <b>BS-2800M</b> <sup>20</sup> | U/L         | 49.0                   | 41.7  | —    | 56.4  | 2.5   |
|                  |                              | μkat/L | 0.813       | 0.691                  | — | 0.935 | 0.040 |                               | μkat/L      | 0.818                  | 0.696 | —    | 0.942 | 0.042 |
| <b>α-HBDH</b>    | <b>BS-120</b> <sup>1</sup>   | U/L    | 169         | 144                    | — | 194   | 8     | <b>BS-380</b> <sup>11</sup>   | U/L         | 167                    | 142   | —    | 192   | 8     |
|                  |                              | μkat/L | 2.82        | 2.40                   | — | 3.24  | 0.13  |                               | μkat/L      | 2.79                   | 2.37  | —    | 3.21  | 0.13  |
|                  | <b>BS-180</b> <sup>2</sup>   | U/L    | 169         | 144                    | — | 194   | 8     | <b>BS-400</b> <sup>12</sup>   | U/L         | 167                    | 142   | —    | 192   | 8     |
|                  |                              | μkat/L | 2.82        | 2.40                   | — | 3.24  | 0.13  |                               | μkat/L      | 2.79                   | 2.37  | —    | 3.21  | 0.13  |
|                  | <b>BS-200</b> <sup>3</sup>   | U/L    | 167         | 142                    | — | 192   | 8     | <b>BS-430</b> <sup>13</sup>   | U/L         | 167                    | 142   | —    | 192   | 8     |
|                  |                              | μkat/L | 2.79        | 2.37                   | — | 3.21  | 0.13  |                               | μkat/L      | 2.79                   | 2.37  | —    | 3.21  | 0.13  |
|                  | <b>BS-200E</b> <sup>4</sup>  | U/L    | 167         | 142                    | — | 192   | 8     | <b>BS-480</b> <sup>14</sup>   | U/L         | 167                    | 142   | —    | 192   | 8     |
|                  |                              | μkat/L | 2.79        | 2.37                   | — | 3.21  | 0.13  |                               | μkat/L      | 2.79                   | 2.37  | —    | 3.21  | 0.13  |
|                  | <b>BS-230</b> <sup>5</sup>   | U/L    | 168         | 143                    | — | 193   | 8     | <b>BS-600</b> <sup>15</sup>   | U/L         | 167                    | 142   | —    | 192   | 8     |
|                  |                              | μkat/L | 2.81        | 2.39                   | — | 3.22  | 0.13  |                               | μkat/L      | 2.79                   | 2.37  | —    | 3.21  | 0.13  |
|                  | <b>BS-240E</b> <sup>6</sup>  | U/L    | 167         | 142                    | — | 192   | 8     | <b>BS-600M</b> <sup>16</sup>  | U/L         | 171                    | 145   | —    | 197   | 9     |
|                  |                              | μkat/L | 2.79        | 2.37                   | — | 3.21  | 0.13  |                               | μkat/L      | 2.86                   | 2.42  | —    | 3.29  | 0.15  |
|                  | <b>BS-300</b> <sup>7</sup>   | U/L    | 167         | 142                    | — | 192   | 8     | <b>BS-620M</b> <sup>17</sup>  | U/L         | 171                    | 145   | —    | 197   | 9     |
|                  |                              | μkat/L | 2.79        | 2.37                   | — | 3.21  | 0.13  |                               | μkat/L      | 2.86                   | 2.42  | —    | 3.29  | 0.15  |
|                  | <b>BS-330</b> <sup>8</sup>   | U/L    | 167         | 142                    | — | 192   | 8     | <b>BS-800</b> <sup>18</sup>   | U/L         | 167                    | 142   | —    | 192   | 8     |
|                  |                              | μkat/L | 2.79        | 2.37                   | — | 3.21  | 0.13  |                               | μkat/L      | 2.79                   | 2.37  | —    | 3.21  | 0.13  |
|                  | <b>BS-330E</b> <sup>9</sup>  | U/L    | 167         | 142                    | — | 192   | 8     | <b>BS-2000</b> <sup>19</sup>  | U/L         | 171                    | 145   | —    | 197   | 9     |
|                  |                              | μkat/L | 2.79        | 2.37                   | — | 3.21  | 0.13  |                               | μkat/L      | 2.86                   | 2.42  | —    | 3.29  | 0.15  |
|                  | <b>BS-360E</b> <sup>10</sup> | U/L    | 167         | 142                    | — | 192   | 8     | <b>BS-2800M</b> <sup>20</sup> | U/L         | 171                    | 145   | —    | 197   | 9     |
|                  |                              | μkat/L | 2.79        | 2.37                   | — | 3.21  | 0.13  |                               | μkat/L      | 2.86                   | 2.42  | —    | 3.29  | 0.15  |
| <b>ApoA1</b>     | <b>BS-120</b> <sup>1</sup>   | g/L    | 1.21        | 0.94                   | — | 1.48  | 0.09  | <b>BS-380</b> <sup>11</sup>   | g/L         | 1.20                   | 0.93  | —    | 1.47  | 0.09  |
|                  |                              | μmol/L | 43.2        | 33.6                   | — | 52.8  | 3.2   |                               | μmol/L      | 42.8                   | 33.2  | —    | 52.5  | 3.2   |
|                  | <b>BS-180</b> <sup>2</sup>   | g/L    | 1.21        | 0.94                   | — | 1.48  | 0.09  | <b>BS-400</b> <sup>12</sup>   | g/L         | 1.21                   | 0.94  | —    | 1.48  | 0.09  |
|                  |                              | μmol/L | 43.2        | 33.6                   | — | 52.8  | 3.2   |                               | μmol/L      | 43.2                   | 33.6  | —    | 52.8  | 3.2   |
|                  | <b>BS-200</b> <sup>3</sup>   | g/L    | 1.23        | 0.95                   | — | 1.51  | 0.09  | <b>BS-430</b> <sup>13</sup>   | g/L         | 1.20                   | 0.93  | —    | 1.47  | 0.09  |
|                  |                              | μmol/L | 43.9        | 33.9                   | — | 53.9  | 3.2   |                               | μmol/L      | 42.8                   | 33.2  | —    | 52.5  | 3.2   |
|                  | <b>BS-200E</b> <sup>4</sup>  | g/L    | 1.27        | 0.98                   | — | 1.56  | 0.10  | <b>BS-480</b> <sup>14</sup>   | g/L         | 1.21                   | 0.94  | —    | 1.48  | 0.09  |
|                  |                              | μmol/L | 45.3        | 35.0                   | — | 55.7  | 3.6   |                               | μmol/L      | 43.2                   | 33.6  | —    | 52.8  | 3.2   |
|                  | <b>BS-230</b> <sup>5</sup>   | g/L    | 1.20        | 0.93                   | — | 1.47  | 0.09  | <b>BS-600</b> <sup>15</sup>   | g/L         | 1.20                   | 0.93  | —    | 1.47  | 0.09  |
|                  |                              | μmol/L | 42.8        | 33.2                   | — | 52.5  | 3.2   |                               | μmol/L      | 42.8                   | 33.2  | —    | 52.5  | 3.2   |
|                  | <b>BS-240E</b> <sup>6</sup>  | g/L    | 1.21        | 0.94                   | — | 1.48  | 0.09  | <b>BS-600M</b> <sup>16</sup>  | g/L         | 1.21                   | 0.94  | —    | 1.48  | 0.09  |
|                  |                              | μmol/L | 43.2        | 33.6                   | — | 52.8  | 3.2   |                               | μmol/L      | 43.2                   | 33.6  | —    | 52.8  | 3.2   |
|                  | <b>BS-300</b> <sup>7</sup>   | g/L    | 1.21        | 0.94                   | — | 1.48  | 0.09  | <b>BS-620M</b> <sup>17</sup>  | g/L         | 1.21                   | 0.94  | —    | 1.48  | 0.09  |
|                  |                              | μmol/L | 43.2        | 33.6                   | — | 52.8  | 3.2   |                               | μmol/L      | 43.2                   | 33.6  | —    | 52.8  | 3.2   |
|                  | <b>BS-330</b> <sup>8</sup>   | g/L    | 1.23        | 0.95                   | — | 1.51  | 0.09  | <b>BS-800</b> <sup>18</sup>   | g/L         | 1.16                   | 0.90  | —    | 1.42  | 0.09  |
|                  |                              | μmol/L | 43.9        | 33.9                   | — | 53.9  | 3.2   |                               | μmol/L      | 41.4                   | 32.1  | —    | 50.7  | 3.2   |
|                  | <b>BS-330E</b> <sup>9</sup>  | g/L    | 1.27        | 0.98                   | — | 1.56  | 0.10  | <b>BS-2000</b> <sup>19</sup>  | g/L         | 1.19                   | 0.92  | —    | 1.46  | 0.09  |
|                  |                              | μmol/L | 45.3        | 35.0                   | — | 55.7  | 3.6   |                               | μmol/L      | 42.5                   | 32.8  | —    | 52.1  | 3.2   |
|                  | <b>BS-360E</b> <sup>10</sup> | g/L    | 1.16        | 0.90                   | — | 1.42  | 0.09  | <b>BS-2800M</b> <sup>20</sup> | g/L         | 1.19                   | 0.92  | —    | 1.46  | 0.09  |
|                  |                              | μmol/L | 41.4        | 32.1                   | — | 50.7  | 3.2   |                               | μmol/L      | 42.5                   | 32.8  | —    | 52.1  | 3.2   |

| Abbreviated name   | Model                 | Unit   | Assay Value | Range(Assay Value±3SD) |   | 1 SD  | Model | Unit                   | Assay Value            | Range(Assay Value±3SD) |       | 1 SD  |       |       |
|--|-----------------------|--------|-------------|------------------------|---|-------|-------|------------------------|------------------------|------------------------|-------|-------|-------|-------|
| <b>ApoB</b><br>Note: This reference value is only applicable to 141922002 and subsequent batch ApoB reagents | BS-120 <sup>1</sup>   | g/L    | 0.495       | 0.384                  | — | 0.606 | 0.037 | BS-380 <sup>11</sup>   | g/L                    | 0.521                  | 0.404 | —     | 0.638 | 0.039 |
|  |                       | μmol/L | 0.965       | 0.749                  | — | 1.182 | 0.072 |                        | μmol/L                 | 1.02                   | 0.79  | —     | 1.24  | 0.08  |
|  | BS-180 <sup>2</sup>   | g/L    | 0.495       | 0.384                  | — | 0.606 | 0.037 | BS-400 <sup>12</sup>   | g/L                    | 0.539                  | 0.418 | —     | 0.660 | 0.040 |
|  |                       | μmol/L | 0.965       | 0.749                  | — | 1.182 | 0.072 |                        | μmol/L                 | 1.05                   | 0.82  | —     | 1.29  | 0.08  |
|  | BS-200 <sup>3</sup>   | g/L    | 0.517       | 0.401                  | — | 0.633 | 0.039 | BS-430 <sup>13</sup>   | g/L                    | 0.532                  | 0.412 | —     | 0.652 | 0.040 |
|  |                       | μmol/L | 1.01        | 0.78                   | — | 1.23  | 0.08  |                        | μmol/L                 | 1.04                   | 0.80  | —     | 1.27  | 0.08  |
|  | BS-200E <sup>4</sup>  | g/L    | 0.540       | 0.419                  | — | 0.662 | 0.041 | BS-480 <sup>14</sup>   | g/L                    | 0.540                  | 0.419 | —     | 0.662 | 0.041 |
|  |                       | μmol/L | 1.05        | 0.82                   | — | 1.29  | 0.08  |                        | μmol/L                 | 1.05                   | 0.82  | —     | 1.29  | 0.08  |
|  | BS-230 <sup>5</sup>   | g/L    | 0.518       | 0.401                  | — | 0.635 | 0.039 | BS-600 <sup>15</sup>   | g/L                    | 0.529                  | 0.410 | —     | 0.648 | 0.040 |
|  |                       | μmol/L | 1.01        | 0.78                   | — | 1.24  | 0.08  |                        | μmol/L                 | 1.03                   | 0.80  | —     | 1.26  | 0.08  |
|  | BS-240E <sup>6</sup>  | g/L    | 0.520       | 0.403                  | — | 0.637 | 0.039 | BS-600M <sup>16</sup>  | g/L                    | 0.514                  | 0.398 | —     | 0.630 | 0.039 |
|  |                       | μmol/L | 1.01        | 0.79                   | — | 1.24  | 0.08  |                        | μmol/L                 | 1.00                   | 0.78  | —     | 1.23  | 0.08  |
|  | BS-300 <sup>7</sup>   | g/L    | 0.513       | 0.398                  | — | 0.628 | 0.038 | BS-620M <sup>17</sup>  | g/L                    | 0.514                  | 0.398 | —     | 0.630 | 0.039 |
|  |                       | μmol/L | 1.00        | 0.78                   | — | 1.22  | 0.07  |                        | μmol/L                 | 1.00                   | 0.78  | —     | 1.23  | 0.08  |
|  | BS-330 <sup>8</sup>   | g/L    | 0.517       | 0.401                  | — | 0.633 | 0.039 | BS-800 <sup>18</sup>   | g/L                    | 0.526                  | 0.408 | —     | 0.644 | 0.039 |
|  |                       | μmol/L | 1.01        | 0.78                   | — | 1.23  | 0.08  |                        | μmol/L                 | 1.03                   | 0.80  | —     | 1.26  | 0.08  |
|  | BS-330E <sup>9</sup>  | g/L    | 0.540       | 0.419                  | — | 0.662 | 0.041 | BS-2000 <sup>19</sup>  | g/L                    | 0.532                  | 0.412 | —     | 0.652 | 0.040 |
|  |                       | μmol/L | 1.05        | 0.82                   | — | 1.29  | 0.08  |                        | μmol/L                 | 1.04                   | 0.80  | —     | 1.27  | 0.08  |
|  | BS-360E <sup>10</sup> | g/L    | 0.548       | 0.425                  | — | 0.671 | 0.041 | BS-2800M <sup>20</sup> | g/L                    | 0.535                  | 0.415 | —     | 0.655 | 0.040 |
|  |                       | μmol/L | 1.07        | 0.83                   | — | 1.31  | 0.08  |                        | μmol/L                 | 1.04                   | 0.81  | —     | 1.28  | 0.08  |
| <b>ApoB</b><br>Note: This reference value is only applicable to 141922001 and before batch ApoB reagents     | BS-120 <sup>1</sup>   | g/L    | /           | /                      | — | /     | /     | BS-380 <sup>11</sup>   | g/L                    | /                      | /     | —     | /     | /     |
|  |                       | μmol/L | /           | /                      | — | /     | /     |                        | μmol/L                 | /                      | /     | —     | /     | /     |
|  | BS-180 <sup>2</sup>   | g/L    | /           | /                      | — | /     | /     | BS-400 <sup>12</sup>   | g/L                    | /                      | /     | —     | /     | /     |
|  |                       | μmol/L | /           | /                      | — | /     | /     |                        | μmol/L                 | /                      | /     | —     | /     | /     |
|  | BS-200 <sup>3</sup>   | g/L    | /           | /                      | — | /     | /     | BS-430 <sup>13</sup>   | g/L                    | /                      | /     | —     | /     | /     |
|  |                       | μmol/L | /           | /                      | — | /     | /     |                        | μmol/L                 | /                      | /     | —     | /     | /     |
|  | BS-200E <sup>4</sup>  | g/L    | /           | /                      | — | /     | /     | BS-480 <sup>14</sup>   | g/L                    | /                      | /     | —     | /     | /     |
|  |                       | μmol/L | /           | /                      | — | /     | /     |                        | μmol/L                 | /                      | /     | —     | /     | /     |
|  | BS-230 <sup>5</sup>   | g/L    | /           | /                      | — | /     | /     | BS-600 <sup>15</sup>   | g/L                    | /                      | /     | —     | /     | /     |
|  |                       | μmol/L | /           | /                      | — | /     | /     |                        | μmol/L                 | /                      | /     | —     | /     | /     |
|  | BS-240E <sup>6</sup>  | g/L    | /           | /                      | — | /     | /     | BS-600M <sup>16</sup>  | g/L                    | /                      | /     | —     | /     | /     |
|  |                       | μmol/L | /           | /                      | — | /     | /     |                        | μmol/L                 | /                      | /     | —     | /     | /     |
|  | BS-300 <sup>7</sup>   | g/L    | /           | /                      | — | /     | /     | BS-620M <sup>17</sup>  | g/L                    | /                      | /     | —     | /     | /     |
|  |                       | μmol/L | /           | /                      | — | /     | /     |                        | μmol/L                 | /                      | /     | —     | /     | /     |
|  | BS-330 <sup>8</sup>   | g/L    | /           | /                      | — | /     | /     | BS-800 <sup>18</sup>   | g/L                    | /                      | /     | —     | /     | /     |
|  |                       | μmol/L | /           | /                      | — | /     | /     |                        | μmol/L                 | /                      | /     | —     | /     | /     |
|  | BS-330E <sup>9</sup>  | g/L    | /           | /                      | — | /     | /     | BS-2000 <sup>19</sup>  | g/L                    | /                      | /     | —     | /     | /     |
|  |                       | μmol/L | /           | /                      | — | /     | /     |                        | μmol/L                 | /                      | /     | —     | /     | /     |
|  | BS-360E <sup>10</sup> | g/L    | /           | /                      | — | /     | /     | BS-2800M <sup>20</sup> | g/L                    | /                      | /     | —     | /     | /     |
|  |                       | μmol/L | /           | /                      | — | /     | /     |                        | μmol/L                 | /                      | /     | —     | /     | /     |
| <b>C3</b>  | BS-120 <sup>1</sup>   | g/L    | 0.961       | 0.766                  | — | 1.156 | 0.065 | BS-380 <sup>11</sup>   | g/L                    | 1.01                   | 0.81  | —     | 1.21  | 0.07  |
|  |                       | g/L    | 0.961       | 0.766                  | — | 1.156 | 0.065 |                        | BS-400 <sup>12</sup>   | g/L                    | 1.01  | 0.81  | —     | 1.21  |
|  | BS-180 <sup>2</sup>   | g/L    | 1.02        | 0.81                   | — | 1.23  | 0.07  | BS-430 <sup>13</sup>   | g/L                    | 1.01                   | 0.81  | —     | 1.21  | 0.07  |
|  |                       | g/L    | 1.03        | 0.82                   | — | 1.24  | 0.07  |                        | BS-480 <sup>14</sup>   | g/L                    | 0.956 | 0.762 | —     | 1.150 |
|  | BS-200 <sup>3</sup>   | g/L    | 0.934       | 0.745                  | — | 1.123 | 0.063 | BS-600 <sup>15</sup>   | g/L                    | 0.967                  | 0.771 | —     | 1.163 | 0.065 |
|  |                       | g/L    | 1.01        | 0.81                   | — | 1.21  | 0.07  |                        | BS-600M <sup>16</sup>  | g/L                    | 0.980 | 0.782 | —     | 1.178 |
|  | BS-200E <sup>4</sup>  | g/L    | 1.03        | 0.82                   | — | 1.24  | 0.07  | BS-620M <sup>17</sup>  | g/L                    | 0.980                  | 0.782 | —     | 1.178 | 0.066 |
|  |                       | g/L    | 1.02        | 0.81                   | — | 1.23  | 0.07  |                        | BS-800 <sup>18</sup>   | g/L                    | 0.985 | 0.786 | —     | 1.184 |
|  | BS-230 <sup>5</sup>   | g/L    | 1.03        | 0.82                   | — | 1.24  | 0.07  | BS-2000 <sup>19</sup>  | g/L                    | 0.981                  | 0.782 | —     | 1.180 | 0.066 |
|  |                       | g/L    | 0.997       | 0.795                  | — | 1.199 | 0.067 |                        | BS-2800M <sup>20</sup> | g/L                    | 0.993 | 0.792 | —     | 1.194 |
| <b>C4</b>  | BS-120 <sup>1</sup>   | g/L    | 0.153       | 0.122                  | — | 0.184 | 0.010 | BS-380 <sup>11</sup>   | g/L                    | 0.164                  | 0.131 | —     | 0.197 | 0.011 |
|  |                       | μmol/L | 0.765       | 0.610                  | — | 0.920 | 0.050 |                        | μmol/L                 | 0.820                  | 0.655 | —     | 0.985 | 0.055 |
|  | BS-180 <sup>2</sup>   | g/L    | 0.153       | 0.122                  | — | 0.184 | 0.010 | BS-400 <sup>12</sup>   | g/L                    | 0.161                  | 0.128 | —     | 0.194 | 0.011 |
|  |                       | μmol/L | 0.765       | 0.610                  | — | 0.920 | 0.050 |                        | μmol/L                 | 0.805                  | 0.640 | —     | 0.970 | 0.055 |
|  | BS-200 <sup>3</sup>   | g/L    | 0.156       | 0.124                  | — | 0.188 | 0.011 | BS-430 <sup>13</sup>   | g/L                    | 0.162                  | 0.129 | —     | 0.195 | 0.011 |
|  |                       | μmol/L | 0.780       | 0.620                  | — | 0.940 | 0.055 |                        | μmol/L                 | 0.810                  | 0.645 | —     | 0.975 | 0.055 |
|  | BS-200E <sup>4</sup>  | g/L    | 0.157       | 0.125                  | — | 0.189 | 0.011 | BS-480 <sup>14</sup>   | g/L                    | 0.152                  | 0.121 | —     | 0.183 | 0.010 |
|  |                       | μmol/L | 0.785       | 0.625                  | — | 0.945 | 0.055 |                        | μmol/L                 | 0.760                  | 0.605 | —     | 0.915 | 0.050 |
|  | BS-230 <sup>5</sup>   | g/L    | 0.150       | 0.120                  | — | 0.180 | 0.010 | BS-600 <sup>15</sup>   | g/L                    | 0.154                  | 0.123 | —     | 0.185 | 0.010 |
|  |                       | μmol/L | 0.750       | 0.600                  | — | 0.900 | 0.050 |                        | μmol/L                 | 0.770                  | 0.615 | —     | 0.925 | 0.050 |
|  | BS-240E <sup>6</sup>  | g/L    | 0.155       | 0.124                  | — | 0.186 | 0.010 | BS-600M <sup>16</sup>  | g/L                    | 0.156                  | 0.124 | —     | 0.188 | 0.011 |
|  |                       | μmol/L | 0.775       | 0.620                  | — | 0.930 | 0.050 |                        | μmol/L                 | 0.780                  | 0.620 | —     | 0.940 | 0.055 |
|  | BS-300 <sup>7</sup>   | g/L    | 0.162       | 0.129                  | — | 0.195 | 0.011 | BS-620M <sup>17</sup>  | g/L                    | 0.156                  | 0.124 | —     | 0.188 | 0.011 |
|  |                       | μmol/L | 0.810       | 0.645                  | — | 0.975 | 0.055 |                        | μmol/L                 | 0.780                  | 0.620 | —     | 0.940 | 0.055 |
|  | BS-330 <sup>8</sup>   | g/L    | 0.156       | 0.124                  | — | 0.188 | 0.011 | BS-800 <sup>18</sup>   | g/L                    | 0.158                  | 0.126 | —     | 0.190 | 0.011 |
|  |                       | μmol/L | 0.780       | 0.620                  | — | 0.940 | 0.055 |                        | μmol/L                 | 0.790                  | 0.630 | —     | 0.950 | 0.055 |
|  | BS-330E <sup>9</sup>  | g/L    | 0.157       | 0.125                  | — | 0.189 | 0.011 | BS-2000 <sup>19</sup>  | g/L                    | 0.155                  | 0.124 | —     | 0.186 | 0.010 |
|  |                       | μmol/L | 0.785       | 0.625                  | — | 0.945 | 0.055 |                        | μmol/L                 | 0.775                  | 0.620 | —     | 0.930 | 0.050 |
|  | BS-360E <sup>10</sup> | g/L    | 0.157       | 0.125                  | — | 0.189 | 0.011 | BS-2800M <sup>20</sup> | g/L                    | 0.159                  | 0.127 | —     | 0.191 | 0.011 |
|  |                       | μmol/L | 0.785       | 0.625                  | — | 0.945 | 0.055 |                        | μmol/L                 | 0.795                  | 0.635 | —     | 0.955 | 0.055 |

| 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 <sup>1</sup>   | mg/L                | 4.78        | 3.35                   | —    | 6.21  | 0.48  | BS-380 <sup>11</sup>   | mg/L                 | 5.31                   | 3.72 | —    | 6.90  | 0.53 |      |
|                       |                       | nmol/L              | 45.5        | 31.9                   | —    | 59.1  | 4.6   |                        | nmol/L               | 50.6                   | 35.4 | —    | 65.7  | 5.0  |      |
|                       | BS-180 <sup>2</sup>   | mg/L                | 4.78        | 3.35                   | —    | 6.21  | 0.48  | BS-400 <sup>12</sup>   | mg/L                 | 4.93                   | 3.45 | —    | 6.41  | 0.49 |      |
|                       |                       | nmol/L              | 45.5        | 31.9                   | —    | 59.1  | 4.6   |                        | nmol/L               | 46.9                   | 32.8 | —    | 61.0  | 4.7  |      |
|                       | BS-200 <sup>3</sup>   | mg/L                | 5.60        | 3.92                   | —    | 7.28  | 0.56  | BS-430 <sup>13</sup>   | mg/L                 | 5.73                   | 4.01 | —    | 7.45  | 0.57 |      |
|                       |                       | nmol/L              | 53.3        | 37.3                   | —    | 69.3  | 5.3   |                        | nmol/L               | 54.5                   | 38.2 | —    | 70.9  | 5.4  |      |
|                       | BS-200E <sup>4</sup>  | mg/L                | 7.17        | 5.02                   | —    | 9.32  | 0.72  | BS-480 <sup>14</sup>   | mg/L                 | 5.51                   | 3.86 | —    | 7.16  | 0.55 |      |
|                       |                       | nmol/L              | 68.3        | 47.8                   | —    | 88.7  | 6.9   |                        | nmol/L               | 52.0                   | 37.0 | —    | 68.0  | 5.0  |      |
|                       | BS-230 <sup>5</sup>   | mg/L                | 5.67        | 3.97                   | —    | 7.37  | 0.57  | BS-600 <sup>15</sup>   | mg/L                 | 5.23                   | 3.66 | —    | 6.80  | 0.52 |      |
|                       |                       | nmol/L              | 54.0        | 37.8                   | —    | 70.2  | 5.4   |                        | nmol/L               | 49.8                   | 34.8 | —    | 64.7  | 5.0  |      |
|                       | BS-240E <sup>6</sup>  | mg/L                | 5.68        | 3.98                   | —    | 7.38  | 0.57  | BS-600M <sup>16</sup>  | mg/L                 | 5.24                   | 3.67 | —    | 6.81  | 0.52 |      |
|                       |                       | nmol/L              | 54.1        | 37.9                   | —    | 70.3  | 5.4   |                        | nmol/L               | 49.9                   | 34.9 | —    | 64.8  | 5.0  |      |
|                       | BS-300 <sup>7</sup>   | mg/L                | 6.16        | 4.31                   | —    | 8.01  | 0.62  | BS-620M <sup>17</sup>  | mg/L                 | 5.24                   | 3.67 | —    | 6.81  | 0.52 |      |
|                       |                       | nmol/L              | 58.6        | 41.0                   | —    | 76.3  | 5.9   |                        | nmol/L               | 49.9                   | 34.9 | —    | 64.8  | 5.0  |      |
|                       | BS-330 <sup>8</sup>   | mg/L                | 5.60        | 3.92                   | —    | 7.28  | 0.56  | BS-800 <sup>18</sup>   | mg/L                 | 5.24                   | 3.67 | —    | 6.81  | 0.52 |      |
|                       |                       | nmol/L              | 53.3        | 37.3                   | —    | 69.3  | 5.3   |                        | nmol/L               | 49.9                   | 34.9 | —    | 64.8  | 5.0  |      |
|                       | BS-330E <sup>9</sup>  | mg/L                | 7.17        | 5.02                   | —    | 9.32  | 0.72  | BS-2000 <sup>19</sup>  | mg/L                 | 5.14                   | 3.60 | —    | 6.68  | 0.51 |      |
|                       |                       | nmol/L              | 68.3        | 47.8                   | —    | 88.7  | 6.9   |                        | nmol/L               | 48.9                   | 34.3 | —    | 63.6  | 4.9  |      |
|                       | BS-360E <sup>10</sup> | mg/L                | 5.24        | 3.67                   | —    | 6.81  | 0.52  | BS-2800M <sup>20</sup> | mg/L                 | /                      | /    | —    | /     | /    |      |
|                       |                       | nmol/L              | 49.9        | 34.9                   | —    | 64.8  | 5.0   |                        | nmol/L               | /                      | /    | —    | /     | /    |      |
| IgA II                | BS-200 <sup>3</sup>   | g/L                 | 1.71        | 1.33                   | —    | 2.09  | 0.13  | BS-430 <sup>13</sup>   | g/L                  | 1.61                   | 1.25 | —    | 1.97  | 0.12 |      |
|                       |                       | μmol/L              | 10.7        | 8.3                    | —    | 13.1  | 0.8   |                        | μmol/L               | 10.1                   | 7.8  | —    | 12.3  | 0.8  |      |
|                       | BS-200E <sup>4</sup>  | g/L                 | 1.62        | 1.26                   | —    | 1.98  | 0.12  | BS-480 <sup>14</sup>   | g/L                  | 1.58                   | 1.22 | —    | 1.94  | 0.12 |      |
|                       |                       | μmol/L              | 10.1        | 7.9                    | —    | 12.4  | 0.8   |                        | μmol/L               | 9.88                   | 7.63 | —    | 12.13 | 0.75 |      |
|                       | BS-230 <sup>5</sup>   | g/L                 | 1.55        | 1.20                   | —    | 1.90  | 0.12  | BS-600 <sup>15</sup>   | g/L                  | 1.56                   | 1.21 | —    | 1.91  | 0.12 |      |
|                       |                       | μmol/L              | 9.69        | 7.50                   | —    | 11.88 | 0.75  |                        | μmol/L               | 9.75                   | 7.56 | —    | 11.94 | 0.75 |      |
|                       | BS-240E <sup>6</sup>  | g/L                 | 1.59        | 1.23                   | —    | 1.95  | 0.12  | BS-600M <sup>16</sup>  | g/L                  | 1.55                   | 1.20 | —    | 1.90  | 0.12 |      |
|                       |                       | μmol/L              | 9.94        | 7.69                   | —    | 12.19 | 0.75  |                        | μmol/L               | 9.69                   | 7.50 | —    | 11.88 | 0.75 |      |
|                       | BS-330 <sup>8</sup>   | g/L                 | 1.71        | 1.33                   | —    | 2.09  | 0.13  | BS-620M <sup>17</sup>  | g/L                  | 1.55                   | 1.20 | —    | 1.90  | 0.12 |      |
|                       |                       | μmol/L              | 10.7        | 8.3                    | —    | 13.1  | 0.8   |                        | μmol/L               | 9.69                   | 7.50 | —    | 11.88 | 0.75 |      |
|                       | BS-330E <sup>9</sup>  | g/L                 | 1.62        | 1.26                   | —    | 1.98  | 0.12  | BS-800 <sup>18</sup>   | g/L                  | 1.60                   | 1.24 | —    | 1.96  | 0.12 |      |
|                       |                       | μmol/L              | 10.1        | 7.9                    | —    | 12.4  | 0.8   |                        | μmol/L               | 10.0                   | 7.8  | —    | 12.3  | 0.8  |      |
|                       | BS-360E <sup>10</sup> | g/L                 | 1.59        | 1.23                   | —    | 1.95  | 0.12  | BS-2000 <sup>19</sup>  | g/L                  | 1.57                   | 1.22 | —    | 1.92  | 0.12 |      |
|                       |                       | μmol/L              | 9.94        | 7.69                   | —    | 12.19 | 0.75  |                        | μmol/L               | 9.81                   | 7.63 | —    | 12.00 | 0.75 |      |
|                       | BS-380 <sup>11</sup>  | g/L                 | 1.58        | 1.22                   | —    | 1.94  | 0.12  | BS-2800M <sup>20</sup> | g/L                  | 1.60                   | 1.24 | —    | 1.96  | 0.12 |      |
|                       |                       | μmol/L              | 9.88        | 7.63                   | —    | 12.13 | 0.75  |                        | μmol/L               | 10.0                   | 7.8  | —    | 12.3  | 0.8  |      |
|                       | BS-400 <sup>12</sup>  | g/L                 | 1.60        | 1.24                   | —    | 1.96  | 0.12  |                        |                      |                        |      |      |       |      |      |
|                       |                       | μmol/L              | 10.0        | 7.8                    | —    | 12.3  | 0.8   |                        |                      |                        |      |      |       |      |      |
|                       | IgG                   | BS-120 <sup>1</sup> | g/L         | 7.84                   | 6.08 | —     | 9.60  | 0.59                   | BS-380 <sup>11</sup> | g/L                    | 7.86 | 6.09 | —     | 9.63 | 0.59 |
|                       |                       |                     | μmol/L      | 52.3                   | 40.6 | —     | 64.0  | 3.9                    |                      | μmol/L                 | 52.4 | 40.6 | —     | 64.2 | 3.9  |
| BS-180 <sup>2</sup>   |                       | g/L                 | 7.84        | 6.08                   | —    | 9.60  | 0.59  | BS-400 <sup>12</sup>   | g/L                  | 7.86                   | 6.09 | —    | 9.63  | 0.59 |      |
|                       |                       | μmol/L              | 52.3        | 40.6                   | —    | 64.0  | 3.9   |                        | μmol/L               | 52.4                   | 40.6 | —    | 64.2  | 3.9  |      |
| BS-200 <sup>3</sup>   |                       | g/L                 | 7.96        | 6.17                   | —    | 9.75  | 0.60  | BS-430 <sup>13</sup>   | g/L                  | 7.58                   | 5.87 | —    | 9.29  | 0.57 |      |
|                       |                       | μmol/L              | 53.1        | 41.2                   | —    | 65.0  | 4.0   |                        | μmol/L               | 50.6                   | 39.2 | —    | 62.0  | 3.8  |      |
| BS-200E <sup>4</sup>  |                       | g/L                 | 7.95        | 6.16                   | —    | 9.74  | 0.60  | BS-480 <sup>14</sup>   | g/L                  | 7.18                   | 5.56 | —    | 8.80  | 0.54 |      |
|                       |                       | μmol/L              | 53.0        | 41.1                   | —    | 65.0  | 4.0   |                        | μmol/L               | 47.9                   | 37.1 | —    | 58.7  | 3.6  |      |
| BS-230 <sup>5</sup>   |                       | g/L                 | 7.65        | 5.93                   | —    | 9.37  | 0.57  | BS-600 <sup>15</sup>   | g/L                  | 7.58                   | 5.87 | —    | 9.29  | 0.57 |      |
|                       |                       | μmol/L              | 51.0        | 39.6                   | —    | 62.5  | 3.8   |                        | μmol/L               | 50.6                   | 39.2 | —    | 62.0  | 3.8  |      |
| BS-240E <sup>6</sup>  |                       | g/L                 | 7.58        | 5.87                   | —    | 9.29  | 0.57  | BS-600M <sup>16</sup>  | g/L                  | 7.64                   | 5.92 | —    | 9.36  | 0.57 |      |
|                       |                       | μmol/L              | 50.6        | 39.2                   | —    | 62.0  | 3.8   |                        | μmol/L               | 51.0                   | 39.5 | —    | 62.4  | 3.8  |      |
| BS-300 <sup>7</sup>   |                       | g/L                 | 7.86        | 6.09                   | —    | 9.63  | 0.59  | BS-620M <sup>17</sup>  | g/L                  | 7.64                   | 5.92 | —    | 9.36  | 0.57 |      |
|                       |                       | μmol/L              | 52.4        | 40.6                   | —    | 64.2  | 3.9   |                        | μmol/L               | 51.0                   | 39.5 | —    | 62.4  | 3.8  |      |
| BS-330 <sup>8</sup>   |                       | g/L                 | 7.96        | 6.17                   | —    | 9.75  | 0.60  | BS-800 <sup>18</sup>   | g/L                  | 7.58                   | 5.87 | —    | 9.29  | 0.57 |      |
|                       |                       | μmol/L              | 53.1        | 41.2                   | —    | 65.0  | 4.0   |                        | μmol/L               | 50.6                   | 39.2 | —    | 62.0  | 3.8  |      |
| BS-330E <sup>9</sup>  |                       | g/L                 | 7.95        | 6.16                   | —    | 9.74  | 0.60  | BS-2000 <sup>19</sup>  | g/L                  | 7.57                   | 5.87 | —    | 9.27  | 0.57 |      |
|                       |                       | μmol/L              | 53.0        | 41.1                   | —    | 65.0  | 4.0   |                        | μmol/L               | 50.5                   | 39.2 | —    | 61.8  | 3.8  |      |
| BS-360E <sup>10</sup> |                       | g/L                 | 7.76        | 6.01                   | —    | 9.51  | 0.58  | BS-2800M <sup>20</sup> | g/L                  | 7.64                   | 5.92 | —    | 9.36  | 0.57 |      |
|                       |                       | μmol/L              | 51.8        | 40.1                   | —    | 63.4  | 3.9   |                        | μmol/L               | 51.0                   | 39.5 | —    | 62.4  | 3.8  |      |

| Abbreviated name | Model                 | Unit   | Assay Value | Range(Assay Value±3SD) |   | 1 SD  | Model | Unit                   | Assay Value | Range(Assay Value±3SD) |       | 1 SD |       |       |
|------------------|-----------------------|--------|-------------|------------------------|---|-------|-------|------------------------|-------------|------------------------|-------|------|-------|-------|
| <b>IgM</b>       | BS-120 <sup>1</sup>   | g/L    | 0.675       | 0.523                  | — | 0.827 | 0.051 | BS-380 <sup>11</sup>   | g/L         | 0.694                  | 0.538 | —    | 0.850 | 0.052 |
|                  |                       | μmol/L | 0.695       | 0.539                  | — | 0.852 | 0.053 |                        | μmol/L      | 0.715                  | 0.554 | —    | 0.876 | 0.054 |
|                  | BS-180 <sup>2</sup>   | g/L    | 0.675       | 0.523                  | — | 0.827 | 0.051 | BS-400 <sup>12</sup>   | g/L         | 0.694                  | 0.538 | —    | 0.850 | 0.052 |
|                  |                       | μmol/L | 0.695       | 0.539                  | — | 0.852 | 0.053 |                        | μmol/L      | 0.715                  | 0.554 | —    | 0.876 | 0.054 |
|                  | BS-200 <sup>3</sup>   | g/L    | 0.708       | 0.549                  | — | 0.867 | 0.053 | BS-430 <sup>13</sup>   | g/L         | 0.715                  | 0.554 | —    | 0.876 | 0.054 |
|                  |                       | μmol/L | 0.729       | 0.565                  | — | 0.893 | 0.055 |                        | μmol/L      | 0.736                  | 0.571 | —    | 0.902 | 0.056 |
|                  | BS-200E <sup>4</sup>  | g/L    | 0.672       | 0.521                  | — | 0.823 | 0.050 | BS-480 <sup>14</sup>   | g/L         | 0.695                  | 0.539 | —    | 0.851 | 0.052 |
|                  |                       | μmol/L | 0.692       | 0.537                  | — | 0.848 | 0.052 |                        | μmol/L      | 0.716                  | 0.555 | —    | 0.877 | 0.054 |
|                  | BS-230 <sup>5</sup>   | g/L    | 0.685       | 0.531                  | — | 0.839 | 0.051 | BS-600 <sup>15</sup>   | g/L         | 0.689                  | 0.534 | —    | 0.844 | 0.052 |
|                  |                       | μmol/L | 0.706       | 0.547                  | — | 0.864 | 0.053 |                        | μmol/L      | 0.710                  | 0.550 | —    | 0.869 | 0.054 |
|                  | BS-240E <sup>6</sup>  | g/L    | 0.693       | 0.537                  | — | 0.849 | 0.052 | BS-600M <sup>16</sup>  | g/L         | 0.681                  | 0.528 | —    | 0.834 | 0.051 |
|                  |                       | μmol/L | 0.714       | 0.553                  | — | 0.874 | 0.054 |                        | μmol/L      | 0.701                  | 0.544 | —    | 0.859 | 0.053 |
|                  | BS-300 <sup>7</sup>   | g/L    | 0.690       | 0.535                  | — | 0.845 | 0.052 | BS-620M <sup>17</sup>  | g/L         | 0.681                  | 0.528 | —    | 0.834 | 0.051 |
|                  |                       | μmol/L | 0.711       | 0.551                  | — | 0.870 | 0.054 |                        | μmol/L      | 0.701                  | 0.544 | —    | 0.859 | 0.053 |
|                  | BS-330 <sup>8</sup>   | g/L    | 0.708       | 0.549                  | — | 0.867 | 0.053 | BS-800 <sup>18</sup>   | g/L         | 0.690                  | 0.535 | —    | 0.845 | 0.052 |
|                  |                       | μmol/L | 0.729       | 0.565                  | — | 0.893 | 0.055 |                        | μmol/L      | 0.711                  | 0.551 | —    | 0.870 | 0.054 |
|                  | BS-330E <sup>9</sup>  | g/L    | 0.672       | 0.521                  | — | 0.823 | 0.050 | BS-2000 <sup>19</sup>  | g/L         | 0.696                  | 0.539 | —    | 0.853 | 0.052 |
|                  |                       | μmol/L | 0.692       | 0.537                  | — | 0.848 | 0.052 |                        | μmol/L      | 0.717                  | 0.555 | —    | 0.879 | 0.054 |
|                  | BS-360E <sup>10</sup> | g/L    | 0.694       | 0.538                  | — | 0.850 | 0.052 | BS-2800M <sup>20</sup> | g/L         | 0.681                  | 0.528 | —    | 0.834 | 0.051 |
|                  |                       | μmol/L | 0.715       | 0.554                  | — | 0.876 | 0.054 |                        | μmol/L      | 0.701                  | 0.544 | —    | 0.859 | 0.053 |
| <b>PA</b>        | BS-120 <sup>1</sup>   | mg/L   | 153         | 119                    | — | 187   | 11    | BS-380 <sup>11</sup>   | mg/L        | 164                    | 127   | —    | 201   | 12    |
|                  |                       | μmol/L | 2.78        | 2.17                   | — | 3.40  | 0.20  |                        | μmol/L      | 2.98                   | 2.31  | —    | 3.66  | 0.22  |
|                  | BS-180 <sup>2</sup>   | mg/L   | 153         | 119                    | — | 187   | 11    | BS-400 <sup>12</sup>   | mg/L        | 164                    | 127   | —    | 201   | 12    |
|                  |                       | μmol/L | 2.78        | 2.17                   | — | 3.40  | 0.20  |                        | μmol/L      | 2.98                   | 2.31  | —    | 3.66  | 0.22  |
|                  | BS-200 <sup>3</sup>   | mg/L   | 159         | 123                    | — | 195   | 12    | BS-430 <sup>13</sup>   | mg/L        | 168                    | 130   | —    | 206   | 13    |
|                  |                       | μmol/L | 2.89        | 2.24                   | — | 3.55  | 0.22  |                        | μmol/L      | 3.06                   | 2.37  | —    | 3.75  | 0.24  |
|                  | BS-200E <sup>4</sup>  | mg/L   | 162         | 126                    | — | 198   | 12    | BS-480 <sup>14</sup>   | mg/L        | 164                    | 127   | —    | 201   | 12    |
|                  |                       | μmol/L | 2.95        | 2.29                   | — | 3.60  | 0.22  |                        | μmol/L      | 2.98                   | 2.31  | —    | 3.66  | 0.22  |
|                  | BS-230 <sup>5</sup>   | mg/L   | 155         | 120                    | — | 190   | 12    | BS-600 <sup>15</sup>   | mg/L        | 164                    | 127   | —    | 201   | 12    |
|                  |                       | μmol/L | 2.82        | 2.18                   | — | 3.46  | 0.22  |                        | μmol/L      | 2.98                   | 2.31  | —    | 3.66  | 0.22  |
|                  | BS-240E <sup>6</sup>  | mg/L   | 164         | 127                    | — | 201   | 12    | BS-600M <sup>16</sup>  | mg/L        | 161                    | 125   | —    | 197   | 12    |
|                  |                       | μmol/L | 2.98        | 2.31                   | — | 3.66  | 0.22  |                        | μmol/L      | 2.93                   | 2.28  | —    | 3.59  | 0.22  |
|                  | BS-300 <sup>7</sup>   | mg/L   | 161         | 125                    | — | 197   | 12    | BS-620M <sup>17</sup>  | mg/L        | 161                    | 125   | —    | 197   | 12    |
|                  |                       | μmol/L | 2.93        | 2.28                   | — | 3.59  | 0.22  |                        | μmol/L      | 2.93                   | 2.28  | —    | 3.59  | 0.22  |
|                  | BS-330 <sup>8</sup>   | mg/L   | 159         | 123                    | — | 195   | 12    | BS-800 <sup>18</sup>   | mg/L        | 164                    | 127   | —    | 201   | 12    |
|                  |                       | μmol/L | 2.89        | 2.24                   | — | 3.55  | 0.22  |                        | μmol/L      | 2.98                   | 2.31  | —    | 3.66  | 0.22  |
|                  | BS-330E <sup>9</sup>  | mg/L   | 162         | 126                    | — | 198   | 12    | BS-2000 <sup>19</sup>  | mg/L        | 167                    | 129   | —    | 205   | 13    |
|                  |                       | μmol/L | 2.95        | 2.29                   | — | 3.60  | 0.22  |                        | μmol/L      | 3.04                   | 2.35  | —    | 3.73  | 0.24  |
|                  | BS-360E <sup>10</sup> | mg/L   | 164         | 127                    | — | 201   | 12    | BS-2800M <sup>20</sup> | mg/L        | 168                    | 130   | —    | 206   | 13    |
|                  |                       | μmol/L | 2.98        | 2.31                   | — | 3.66  | 0.22  |                        | μmol/L      | 3.06                   | 2.37  | —    | 3.75  | 0.24  |
| <b>LDH</b>       | BS-120 <sup>1</sup>   | U/L    | 161         | 137                    | — | 185   | 8     | BS-380 <sup>11</sup>   | U/L         | 159                    | 135   | —    | 183   | 8     |
|                  |                       | μkat/L | 2.69        | 2.29                   | — | 3.09  | 0.13  |                        | μkat/L      | 2.66                   | 2.25  | —    | 3.06  | 0.13  |
|                  | BS-180 <sup>2</sup>   | U/L    | 161         | 137                    | — | 185   | 8     | BS-400 <sup>12</sup>   | U/L         | 161                    | 137   | —    | 185   | 8     |
|                  |                       | μkat/L | 2.69        | 2.29                   | — | 3.09  | 0.13  |                        | μkat/L      | 2.69                   | 2.29  | —    | 3.09  | 0.13  |
|                  | BS-200 <sup>3</sup>   | U/L    | 159         | 135                    | — | 183   | 8     | BS-430 <sup>13</sup>   | U/L         | 160                    | 136   | —    | 184   | 8     |
|                  |                       | μkat/L | 2.66        | 2.25                   | — | 3.06  | 0.13  |                        | μkat/L      | 2.67                   | 2.27  | —    | 3.07  | 0.13  |
|                  | BS-200E <sup>4</sup>  | U/L    | 160         | 136                    | — | 184   | 8     | BS-480 <sup>14</sup>   | U/L         | 162                    | 138   | —    | 186   | 8     |
|                  |                       | μkat/L | 2.67        | 2.27                   | — | 3.07  | 0.13  |                        | μkat/L      | 2.71                   | 2.30  | —    | 3.11  | 0.13  |
|                  | BS-230 <sup>5</sup>   | U/L    | 162         | 138                    | — | 186   | 8     | BS-600 <sup>15</sup>   | U/L         | 161                    | 137   | —    | 185   | 8     |
|                  |                       | μkat/L | 2.71        | 2.30                   | — | 3.11  | 0.13  |                        | μkat/L      | 2.69                   | 2.29  | —    | 3.09  | 0.13  |
|                  | BS-240E <sup>6</sup>  | U/L    | 159         | 135                    | — | 183   | 8     | BS-600M <sup>16</sup>  | U/L         | 162                    | 138   | —    | 186   | 8     |
|                  |                       | μkat/L | 2.66        | 2.25                   | — | 3.06  | 0.13  |                        | μkat/L      | 2.71                   | 2.30  | —    | 3.11  | 0.13  |
|                  | BS-300 <sup>7</sup>   | U/L    | 162         | 138                    | — | 186   | 8     | BS-620M <sup>17</sup>  | U/L         | 162                    | 138   | —    | 186   | 8     |
|                  |                       | μkat/L | 2.71        | 2.30                   | — | 3.11  | 0.13  |                        | μkat/L      | 2.71                   | 2.30  | —    | 3.11  | 0.13  |
|                  | BS-330 <sup>8</sup>   | U/L    | 159         | 135                    | — | 183   | 8     | BS-800 <sup>18</sup>   | U/L         | 160                    | 136   | —    | 184   | 8     |
|                  |                       | μkat/L | 2.66        | 2.25                   | — | 3.06  | 0.13  |                        | μkat/L      | 2.67                   | 2.27  | —    | 3.07  | 0.13  |
|                  | BS-330E <sup>9</sup>  | U/L    | 160         | 136                    | — | 184   | 8     | BS-2000 <sup>19</sup>  | U/L         | 160                    | 136   | —    | 184   | 8     |
|                  |                       | μkat/L | 2.67        | 2.27                   | — | 3.07  | 0.13  |                        | μkat/L      | 2.67                   | 2.27  | —    | 3.07  | 0.13  |
|                  | BS-360E <sup>10</sup> | U/L    | 159         | 135                    | — | 183   | 8     | BS-2800M <sup>20</sup> | U/L         | 160                    | 136   | —    | 184   | 8     |
|                  |                       | μkat/L | 2.66        | 2.25                   | — | 3.06  | 0.13  |                        | μkat/L      | 2.67                   | 2.27  | —    | 3.07  | 0.13  |

| Abbreviated name | Model                        | Unit   | Assay Value | Range(Assay Value $\pm$ 3SD) |   | 1 SD  | Model | Unit                          | Assay Value | Range(Assay Value $\pm$ 3SD) |       | 1 SD |       |       |
|------------------|------------------------------|--------|-------------|------------------------------|---|-------|-------|-------------------------------|-------------|------------------------------|-------|------|-------|-------|
| <b>Mg II</b>     | <b>BS-120</b> <sup>1</sup>   | mmol/L | 0.862       | 0.759                        | — | 0.965 | 0.034 | <b>BS-380</b> <sup>11</sup>   | 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  |
|                  | <b>BS-180</b> <sup>2</sup>   | mmol/L | 0.862       | 0.759                        | — | 0.965 | 0.034 | <b>BS-400</b> <sup>12</sup>   | 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  |
|                  | <b>BS-200</b> <sup>3</sup>   | mmol/L | 0.860       | 0.757                        | — | 0.963 | 0.034 | <b>BS-430</b> <sup>13</sup>   | mmol/L      | 0.845                        | 0.744 | —    | 0.946 | 0.034 |
|                  |                              | mg/dL  | 2.09        | 1.84                         | — | 2.34  | 0.08  |                               | mg/dL       | 2.05                         | 1.81  | —    | 2.30  | 0.08  |
|                  | <b>BS-200E</b> <sup>4</sup>  | mmol/L | 0.853       | 0.751                        | — | 0.955 | 0.034 | <b>BS-480</b> <sup>14</sup>   | mmol/L      | 0.843                        | 0.742 | —    | 0.944 | 0.034 |
|                  |                              | mg/dL  | 2.07        | 1.82                         | — | 2.32  | 0.08  |                               | mg/dL       | 2.05                         | 1.80  | —    | 2.29  | 0.08  |
|                  | <b>BS-230</b> <sup>5</sup>   | mmol/L | 0.844       | 0.743                        | — | 0.945 | 0.034 | <b>BS-600</b> <sup>15</sup>   | mmol/L      | 0.842                        | 0.741 | —    | 0.943 | 0.034 |
|                  |                              | mg/dL  | 2.05        | 1.81                         | — | 2.30  | 0.08  |                               | mg/dL       | 2.05                         | 1.80  | —    | 2.29  | 0.08  |
|                  | <b>BS-240E</b> <sup>6</sup>  | mmol/L | 0.845       | 0.744                        | — | 0.946 | 0.034 | <b>BS-600M</b> <sup>16</sup>  | mmol/L      | 0.857                        | 0.754 | —    | 0.960 | 0.034 |
|                  |                              | mg/dL  | 2.05        | 1.81                         | — | 2.30  | 0.08  |                               | mg/dL       | 2.08                         | 1.83  | —    | 2.33  | 0.08  |
|                  | <b>BS-300</b> <sup>7</sup>   | mmol/L | 0.858       | 0.755                        | — | 0.961 | 0.034 | <b>BS-620M</b> <sup>17</sup>  | mmol/L      | 0.857                        | 0.754 | —    | 0.960 | 0.034 |
|                  |                              | mg/dL  | 2.08        | 1.83                         | — | 2.34  | 0.08  |                               | mg/dL       | 2.08                         | 1.83  | —    | 2.33  | 0.08  |
|                  | <b>BS-330</b> <sup>8</sup>   | mmol/L | 0.860       | 0.757                        | — | 0.963 | 0.034 | <b>BS-800</b> <sup>18</sup>   | mmol/L      | 0.845                        | 0.744 | —    | 0.946 | 0.034 |
|                  |                              | mg/dL  | 2.09        | 1.84                         | — | 2.34  | 0.08  |                               | mg/dL       | 2.05                         | 1.81  | —    | 2.30  | 0.08  |
|                  | <b>BS-330E</b> <sup>9</sup>  | mmol/L | 0.853       | 0.751                        | — | 0.955 | 0.034 | <b>BS-2000</b> <sup>19</sup>  | mmol/L      | 0.861                        | 0.758 | —    | 0.964 | 0.034 |
|                  |                              | mg/dL  | 2.07        | 1.82                         | — | 2.32  | 0.08  |                               | mg/dL       | 2.09                         | 1.84  | —    | 2.34  | 0.08  |
|                  | <b>BS-360E</b> <sup>10</sup> | mmol/L | 0.827       | 0.728                        | — | 0.926 | 0.033 | <b>BS-2800M</b> <sup>20</sup> | mmol/L      | 0.857                        | 0.754 | —    | 0.960 | 0.034 |
|                  |                              | mg/dL  | 2.01        | 1.77                         | — | 2.25  | 0.08  |                               | mg/dL       | 2.08                         | 1.83  | —    | 2.33  | 0.08  |
| <b>P</b>         | <b>BS-120</b> <sup>1</sup>   | mmol/L | 1.35        | 1.15                         | — | 1.55  | 0.07  | <b>BS-380</b> <sup>11</sup>   | mmol/L      | 1.36                         | 1.16  | —    | 1.56  | 0.07  |
|                  |                              | mg/dL  | 4.19        | 3.57                         | — | 4.81  | 0.22  |                               | mg/dL       | 4.22                         | 3.60  | —    | 4.84  | 0.22  |
|                  | <b>BS-180</b> <sup>2</sup>   | mmol/L | 1.35        | 1.15                         | — | 1.55  | 0.07  | <b>BS-400</b> <sup>12</sup>   | mmol/L      | 1.36                         | 1.16  | —    | 1.56  | 0.07  |
|                  |                              | mg/dL  | 4.19        | 3.57                         | — | 4.81  | 0.22  |                               | mg/dL       | 4.22                         | 3.60  | —    | 4.84  | 0.22  |
|                  | <b>BS-200</b> <sup>3</sup>   | mmol/L | 1.36        | 1.16                         | — | 1.56  | 0.07  | <b>BS-430</b> <sup>13</sup>   | mmol/L      | 1.37                         | 1.16  | —    | 1.58  | 0.07  |
|                  |                              | mg/dL  | 4.22        | 3.60                         | — | 4.84  | 0.22  |                               | mg/dL       | 4.25                         | 3.60  | —    | 4.90  | 0.22  |
|                  | <b>BS-200E</b> <sup>4</sup>  | mmol/L | 1.37        | 1.16                         | — | 1.58  | 0.07  | <b>BS-480</b> <sup>14</sup>   | mmol/L      | 1.35                         | 1.15  | —    | 1.55  | 0.07  |
|                  |                              | mg/dL  | 4.25        | 3.60                         | — | 4.90  | 0.22  |                               | mg/dL       | 4.19                         | 3.57  | —    | 4.81  | 0.22  |
|                  | <b>BS-230</b> <sup>5</sup>   | mmol/L | 1.36        | 1.16                         | — | 1.56  | 0.07  | <b>BS-600</b> <sup>15</sup>   | mmol/L      | 1.35                         | 1.15  | —    | 1.55  | 0.07  |
|                  |                              | mg/dL  | 4.22        | 3.60                         | — | 4.84  | 0.22  |                               | mg/dL       | 4.19                         | 3.57  | —    | 4.81  | 0.22  |
|                  | <b>BS-240E</b> <sup>6</sup>  | mmol/L | 1.34        | 1.14                         | — | 1.54  | 0.07  | <b>BS-600M</b> <sup>16</sup>  | mmol/L      | 1.37                         | 1.16  | —    | 1.58  | 0.07  |
|                  |                              | mg/dL  | 4.15        | 3.53                         | — | 4.77  | 0.22  |                               | mg/dL       | 4.25                         | 3.60  | —    | 4.90  | 0.22  |
|                  | <b>BS-300</b> <sup>7</sup>   | mmol/L | 1.34        | 1.14                         | — | 1.54  | 0.07  | <b>BS-620M</b> <sup>17</sup>  | mmol/L      | 1.37                         | 1.16  | —    | 1.58  | 0.07  |
|                  |                              | mg/dL  | 4.15        | 3.53                         | — | 4.77  | 0.22  |                               | mg/dL       | 4.25                         | 3.60  | —    | 4.90  | 0.22  |
|                  | <b>BS-330</b> <sup>8</sup>   | mmol/L | 1.36        | 1.16                         | — | 1.56  | 0.07  | <b>BS-800</b> <sup>18</sup>   | mmol/L      | 1.37                         | 1.16  | —    | 1.58  | 0.07  |
|                  |                              | mg/dL  | 4.22        | 3.60                         | — | 4.84  | 0.22  |                               | mg/dL       | 4.25                         | 3.60  | —    | 4.90  | 0.22  |
|                  | <b>BS-330E</b> <sup>9</sup>  | mmol/L | 1.37        | 1.16                         | — | 1.58  | 0.07  | <b>BS-2000</b> <sup>19</sup>  | mmol/L      | 1.37                         | 1.16  | —    | 1.58  | 0.07  |
|                  |                              | mg/dL  | 4.25        | 3.60                         | — | 4.90  | 0.22  |                               | mg/dL       | 4.25                         | 3.60  | —    | 4.90  | 0.22  |
|                  | <b>BS-360E</b> <sup>10</sup> | mmol/L | 1.34        | 1.14                         | — | 1.54  | 0.07  | <b>BS-2800M</b> <sup>20</sup> | mmol/L      | /                            | /     | —    | /     | /     |
|                  |                              | mg/dL  | 4.15        | 3.53                         | — | 4.77  | 0.22  |                               | mg/dL       | /                            | /     | —    | /     | /     |
| <b>P II</b>      | <b>BS-120</b> <sup>1</sup>   | mmol/L | 1.32        | 1.12                         | — | 1.52  | 0.07  | <b>BS-380</b> <sup>11</sup>   | mmol/L      | 1.33                         | 1.13  | —    | 1.53  | 0.07  |
|                  |                              | mg/dL  | 4.09        | 3.47                         | — | 4.71  | 0.22  |                               | mg/dL       | 4.12                         | 3.50  | —    | 4.74  | 0.22  |
|                  | <b>BS-180</b> <sup>2</sup>   | mmol/L | 1.32        | 1.12                         | — | 1.52  | 0.07  | <b>BS-400</b> <sup>12</sup>   | mmol/L      | 1.34                         | 1.14  | —    | 1.54  | 0.07  |
|                  |                              | mg/dL  | 4.09        | 3.47                         | — | 4.71  | 0.22  |                               | mg/dL       | 4.15                         | 3.53  | —    | 4.77  | 0.22  |
|                  | <b>BS-200</b> <sup>3</sup>   | mmol/L | 1.34        | 1.14                         | — | 1.54  | 0.07  | <b>BS-430</b> <sup>13</sup>   | mmol/L      | 1.34                         | 1.14  | —    | 1.54  | 0.07  |
|                  |                              | mg/dL  | 4.15        | 3.53                         | — | 4.77  | 0.22  |                               | mg/dL       | 4.15                         | 3.53  | —    | 4.77  | 0.22  |
|                  | <b>BS-200E</b> <sup>4</sup>  | mmol/L | 1.33        | 1.13                         | — | 1.53  | 0.07  | <b>BS-480</b> <sup>14</sup>   | mmol/L      | 1.33                         | 1.13  | —    | 1.53  | 0.07  |
|                  |                              | mg/dL  | 4.12        | 3.50                         | — | 4.74  | 0.22  |                               | mg/dL       | 4.12                         | 3.50  | —    | 4.74  | 0.22  |
|                  | <b>BS-230</b> <sup>5</sup>   | mmol/L | 1.33        | 1.13                         | — | 1.53  | 0.07  | <b>BS-600</b> <sup>15</sup>   | mmol/L      | 1.33                         | 1.13  | —    | 1.53  | 0.07  |
|                  |                              | mg/dL  | 4.12        | 3.50                         | — | 4.74  | 0.22  |                               | mg/dL       | 4.12                         | 3.50  | —    | 4.74  | 0.22  |
|                  | <b>BS-240E</b> <sup>6</sup>  | mmol/L | 1.30        | 1.11                         | — | 1.50  | 0.07  | <b>BS-600M</b> <sup>16</sup>  | mmol/L      | 1.34                         | 1.14  | —    | 1.54  | 0.07  |
|                  |                              | mg/dL  | 4.03        | 3.44                         | — | 4.65  | 0.22  |                               | mg/dL       | 4.15                         | 3.53  | —    | 4.77  | 0.22  |
|                  | <b>BS-300</b> <sup>7</sup>   | mmol/L | 1.31        | 1.11                         | — | 1.51  | 0.07  | <b>BS-620M</b> <sup>17</sup>  | mmol/L      | 1.34                         | 1.14  | —    | 1.54  | 0.07  |
|                  |                              | mg/dL  | 4.06        | 3.44                         | — | 4.68  | 0.22  |                               | mg/dL       | 4.15                         | 3.53  | —    | 4.77  | 0.22  |
|                  | <b>BS-330</b> <sup>8</sup>   | mmol/L | 1.34        | 1.14                         | — | 1.54  | 0.07  | <b>BS-800</b> <sup>18</sup>   | mmol/L      | 1.33                         | 1.13  | —    | 1.53  | 0.07  |
|                  |                              | mg/dL  | 4.15        | 3.53                         | — | 4.77  | 0.22  |                               | mg/dL       | 4.12                         | 3.50  | —    | 4.74  | 0.22  |
|                  | <b>BS-330E</b> <sup>9</sup>  | mmol/L | 1.33        | 1.13                         | — | 1.53  | 0.07  | <b>BS-2000</b> <sup>19</sup>  | mmol/L      | 1.35                         | 1.15  | —    | 1.55  | 0.07  |
|                  |                              | mg/dL  | 4.12        | 3.50                         | — | 4.74  | 0.22  |                               | mg/dL       | 4.19                         | 3.57  | —    | 4.81  | 0.22  |
|                  | <b>BS-360E</b> <sup>10</sup> | mmol/L | 1.31        | 1.11                         | — | 1.51  | 0.07  | <b>BS-2800M</b> <sup>20</sup> | mmol/L      | 1.34                         | 1.14  | —    | 1.54  | 0.07  |
|                  |                              | mg/dL  | 4.06        | 3.44                         | — | 4.68  | 0.22  |                               | mg/dL       | 4.15                         | 3.53  | —    | 4.77  | 0.22  |

| 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 <sup>1</sup>   | g/L    | 50.9        | 43.3                   | —    | 58.5 | 2.5                    | BS-380 <sup>11</sup>   | g/L         | 50.4                   | 42.8 | —    | 58.0 | 2.5  |
|                       | BS-180 <sup>2</sup>   | g/L    | 50.9        | 43.3                   | —    | 58.5 | 2.5                    | BS-400 <sup>12</sup>   | g/L         | 50.2                   | 42.7 | —    | 57.7 | 2.5  |
|                       | BS-200 <sup>3</sup>   | g/L    | 50.5        | 42.9                   | —    | 58.1 | 2.5                    | BS-430 <sup>13</sup>   | g/L         | 49.5                   | 42.1 | —    | 56.9 | 2.5  |
|                       | BS-200E <sup>4</sup>  | g/L    | 50.7        | 43.1                   | —    | 58.3 | 2.5                    | BS-480 <sup>14</sup>   | g/L         | 49.8                   | 42.3 | —    | 57.3 | 2.5  |
|                       | BS-230 <sup>5</sup>   | g/L    | 50.5        | 42.9                   | —    | 58.1 | 2.5                    | BS-600 <sup>15</sup>   | g/L         | 49.5                   | 42.1 | —    | 56.9 | 2.5  |
|                       | BS-240E <sup>6</sup>  | g/L    | 50.6        | 43.0                   | —    | 58.2 | 2.5                    | BS-600M <sup>15</sup>  | g/L         | 49.5                   | 42.1 | —    | 56.9 | 2.5  |
|                       | BS-300 <sup>7</sup>   | g/L    | 50.2        | 42.7                   | —    | 57.7 | 2.5                    | BS-620M <sup>16</sup>  | g/L         | 49.5                   | 42.1 | —    | 56.9 | 2.5  |
|                       | BS-330 <sup>8</sup>   | g/L    | 50.5        | 42.9                   | —    | 58.1 | 2.5                    | BS-800 <sup>16</sup>   | g/L         | 49.5                   | 42.1 | —    | 56.9 | 2.5  |
|                       | BS-330E <sup>9</sup>  | g/L    | 50.7        | 43.1                   | —    | 58.3 | 2.5                    | BS-2000 <sup>17</sup>  | g/L         | 49.8                   | 42.3 | —    | 57.3 | 2.5  |
|                       | BS-360E <sup>10</sup> | g/L    | 50.2        | 42.7                   | —    | 57.7 | 2.5                    | BS-2800M <sup>18</sup> | g/L         | /                      | /    | —    | /    | /    |
| TP II                 | BS-120 <sup>1</sup>   | g/L    | 50.5        | 42.9                   | —    | 58.1 | 2.5                    | BS-380 <sup>11</sup>   | g/L         | 50.4                   | 42.8 | —    | 58.0 | 2.5  |
|                       | BS-180 <sup>2</sup>   | g/L    | 50.5        | 42.9                   | —    | 58.1 | 2.5                    | BS-400 <sup>12</sup>   | g/L         | 50.4                   | 42.8 | —    | 58.0 | 2.5  |
|                       | BS-200 <sup>3</sup>   | g/L    | 50.5        | 42.9                   | —    | 58.1 | 2.5                    | BS-430 <sup>13</sup>   | g/L         | 49.9                   | 42.4 | —    | 57.4 | 2.5  |
|                       | BS-200E <sup>4</sup>  | g/L    | 50.3        | 42.8                   | —    | 57.8 | 2.5                    | BS-480 <sup>14</sup>   | g/L         | 49.7                   | 42.2 | —    | 57.2 | 2.5  |
|                       | BS-230 <sup>5</sup>   | g/L    | 50.6        | 43.0                   | —    | 58.2 | 2.5                    | BS-600 <sup>15</sup>   | g/L         | 49.9                   | 42.4 | —    | 57.4 | 2.5  |
|                       | BS-240E <sup>6</sup>  | g/L    | 49.7        | 42.2                   | —    | 57.2 | 2.5                    | BS-600M <sup>15</sup>  | g/L         | 50.6                   | 43.0 | —    | 58.2 | 2.5  |
|                       | BS-300 <sup>7</sup>   | g/L    | 50.2        | 42.7                   | —    | 57.7 | 2.5                    | BS-620M <sup>16</sup>  | g/L         | 50.6                   | 43.0 | —    | 58.2 | 2.5  |
|                       | BS-330 <sup>8</sup>   | g/L    | 50.5        | 42.9                   | —    | 58.1 | 2.5                    | BS-800 <sup>16</sup>   | g/L         | 49.9                   | 42.4 | —    | 57.4 | 2.5  |
|                       | BS-330E <sup>9</sup>  | g/L    | 50.3        | 42.8                   | —    | 57.8 | 2.5                    | BS-2000 <sup>17</sup>  | g/L         | 49.9                   | 42.4 | —    | 57.4 | 2.5  |
|                       | BS-360E <sup>10</sup> | g/L    | 49.9        | 42.4                   | —    | 57.4 | 2.5                    | BS-2800M <sup>18</sup> | g/L         | 50.0                   | 42.5 | —    | 57.5 | 2.5  |
| TG                    | BS-120 <sup>1</sup>   | mmol/L | 1.27        | 1.10                   | —    | 1.44 | 0.06                   | BS-380 <sup>11</sup>   | mmol/L      | 1.27                   | 1.10 | —    | 1.44 | 0.06 |
|                       |                       | mg/dL  | 112         | 97                     | —    | 127  | 5                      |                        | mg/dL       | 112                    | 97   | —    | 127  | 5    |
|                       | BS-180 <sup>2</sup>   | mmol/L | 1.27        | 1.10                   | —    | 1.44 | 0.06                   | BS-400 <sup>12</sup>   | mmol/L      | 1.26                   | 1.09 | —    | 1.43 | 0.06 |
|                       |                       | mg/dL  | 112         | 97                     | —    | 127  | 5                      |                        | mg/dL       | 112                    | 96   | —    | 127  | 5    |
|                       | BS-200 <sup>3</sup>   | mmol/L | 1.29        | 1.12                   | —    | 1.46 | 0.06                   | BS-430 <sup>13</sup>   | mmol/L      | 1.27                   | 1.10 | —    | 1.44 | 0.06 |
|                       |                       | mg/dL  | 114         | 99                     | —    | 129  | 5                      |                        | mg/dL       | 112                    | 97   | —    | 127  | 5    |
|                       | BS-200E <sup>4</sup>  | mmol/L | 1.28        | 1.11                   | —    | 1.45 | 0.06                   | BS-480 <sup>14</sup>   | mmol/L      | 1.25                   | 1.08 | —    | 1.42 | 0.06 |
|                       |                       | mg/dL  | 113         | 98                     | —    | 128  | 5                      |                        | mg/dL       | 111                    | 96   | —    | 126  | 5    |
|                       | BS-230 <sup>5</sup>   | mmol/L | 1.27        | 1.10                   | —    | 1.44 | 0.06                   | BS-600 <sup>15</sup>   | mmol/L      | 1.27                   | 1.10 | —    | 1.44 | 0.06 |
|                       |                       | mg/dL  | 112         | 97                     | —    | 127  | 5                      |                        | mg/dL       | 112                    | 97   | —    | 127  | 5    |
| BS-240E <sup>6</sup>  | mmol/L                | 1.26   | 1.09        | —                      | 1.43 | 0.06 | BS-600M <sup>16</sup>  | mmol/L                 | 1.31        | 1.13                   | —    | 1.49 | 0.06 |      |
|                       | mg/dL                 | 112    | 96          | —                      | 127  | 5    |                        | mg/dL                  | 116         | 100                    | —    | 132  | 5    |      |
| BS-300 <sup>7</sup>   | mmol/L                | 1.25   | 1.08        | —                      | 1.42 | 0.06 | BS-620M <sup>17</sup>  | mmol/L                 | 1.31        | 1.13                   | —    | 1.49 | 0.06 |      |
|                       | mg/dL                 | 111    | 96          | —                      | 126  | 5    |                        | mg/dL                  | 116         | 100                    | —    | 132  | 5    |      |
| BS-330 <sup>8</sup>   | mmol/L                | 1.29   | 1.12        | —                      | 1.46 | 0.06 | BS-800 <sup>18</sup>   | mmol/L                 | 1.28        | 1.11                   | —    | 1.45 | 0.06 |      |
|                       | mg/dL                 | 114    | 99          | —                      | 129  | 5    |                        | mg/dL                  | 113         | 98                     | —    | 128  | 5    |      |
| BS-330E <sup>9</sup>  | mmol/L                | 1.28   | 1.11        | —                      | 1.45 | 0.06 | BS-2000 <sup>19</sup>  | mmol/L                 | 1.29        | 1.12                   | —    | 1.46 | 0.06 |      |
|                       | mg/dL                 | 113    | 98          | —                      | 128  | 5    |                        | mg/dL                  | 114         | 99                     | —    | 129  | 5    |      |
| BS-360E <sup>10</sup> | mmol/L                | 1.27   | 1.10        | —                      | 1.44 | 0.06 | BS-2800M <sup>20</sup> | mmol/L                 | 1.31        | 1.13                   | —    | 1.49 | 0.06 |      |
|                       | mg/dL                 | 112    | 97          | —                      | 127  | 5    |                        | mg/dL                  | 116         | 100                    | —    | 132  | 5    |      |
| UA                    | BS-120 <sup>1</sup>   | µmol/L | 308         | 266                    | —    | 350  | 14                     | BS-380 <sup>11</sup>   | µmol/L      | 310                    | 268  | —    | 352  | 14   |
|                       |                       | mg/dL  | 5.18        | 4.47                   | —    | 5.88 | 0.24                   |                        | mg/dL       | 5.21                   | 4.50 | —    | 5.92 | 0.24 |
|                       | BS-180 <sup>2</sup>   | µmol/L | 308         | 266                    | —    | 350  | 14                     | BS-400 <sup>12</sup>   | µmol/L      | 310                    | 268  | —    | 352  | 14   |
|                       |                       | mg/dL  | 5.18        | 4.47                   | —    | 5.88 | 0.24                   |                        | mg/dL       | 5.21                   | 4.50 | —    | 5.92 | 0.24 |
|                       | BS-200 <sup>3</sup>   | µmol/L | 307         | 266                    | —    | 348  | 14                     | BS-430 <sup>13</sup>   | µmol/L      | 314                    | 272  | —    | 356  | 14   |
|                       |                       | mg/dL  | 5.16        | 4.47                   | —    | 5.85 | 0.24                   |                        | mg/dL       | 5.28                   | 4.57 | —    | 5.98 | 0.24 |
|                       | BS-200E <sup>4</sup>  | µmol/L | 310         | 268                    | —    | 352  | 14                     | BS-480 <sup>14</sup>   | µmol/L      | 314                    | 272  | —    | 356  | 14   |
|                       |                       | mg/dL  | 5.21        | 4.50                   | —    | 5.92 | 0.24                   |                        | mg/dL       | 5.28                   | 4.57 | —    | 5.98 | 0.24 |
|                       | BS-230 <sup>5</sup>   | µmol/L | 313         | 271                    | —    | 355  | 14                     | BS-600 <sup>15</sup>   | µmol/L      | 314                    | 272  | —    | 356  | 14   |
|                       |                       | mg/dL  | 5.26        | 4.55                   | —    | 5.97 | 0.24                   |                        | mg/dL       | 5.28                   | 4.57 | —    | 5.98 | 0.24 |
|                       | BS-240E <sup>6</sup>  | µmol/L | 314         | 272                    | —    | 356  | 14                     | BS-600M <sup>16</sup>  | µmol/L      | 319                    | 276  | —    | 362  | 14   |
|                       |                       | mg/dL  | 5.28        | 4.57                   | —    | 5.98 | 0.24                   |                        | mg/dL       | 5.36                   | 4.64 | —    | 6.08 | 0.24 |
|                       | BS-300 <sup>7</sup>   | µmol/L | 310         | 268                    | —    | 352  | 14                     | BS-620M <sup>17</sup>  | µmol/L      | 319                    | 276  | —    | 362  | 14   |
|                       |                       | mg/dL  | 5.21        | 4.50                   | —    | 5.92 | 0.24                   |                        | mg/dL       | 5.36                   | 4.64 | —    | 6.08 | 0.24 |
|                       | BS-330 <sup>8</sup>   | µmol/L | 307         | 266                    | —    | 348  | 14                     | BS-800 <sup>18</sup>   | µmol/L      | 314                    | 272  | —    | 356  | 14   |
|                       |                       | mg/dL  | 5.16        | 4.47                   | —    | 5.85 | 0.24                   |                        | mg/dL       | 5.28                   | 4.57 | —    | 5.98 | 0.24 |
|                       | BS-330E <sup>9</sup>  | µmol/L | 310         | 268                    | —    | 352  | 14                     | BS-2000 <sup>19</sup>  | µmol/L      | 314                    | 272  | —    | 356  | 14   |
|                       |                       | mg/dL  | 5.21        | 4.50                   | —    | 5.92 | 0.24                   |                        | mg/dL       | 5.28                   | 4.57 | —    | 5.98 | 0.24 |
|                       | BS-360E <sup>10</sup> | µmol/L | 307         | 266                    | —    | 348  | 14                     | BS-2800M <sup>20</sup> | µmol/L      | 319                    | 276  | —    | 362  | 14   |
|                       |                       | mg/dL  | 5.16        | 4.47                   | —    | 5.85 | 0.24                   |                        | mg/dL       | 5.36                   | 4.64 | —    | 6.08 | 0.24 |

| 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 <sup>1</sup>   | mmol/L | 6.99        | 5.94                   | — | 8.04  | 0.35  | BS-380 <sup>11</sup>   | mmol/L      | 7.10                   | 6.04  | —    | 8.17  | 0.36  |
|                  |                       | mg/dL  | 42.0        | 35.7                   | — | 48.3  | 2.1   |                        | mg/dL       | 42.6                   | 36.3  | —    | 49.1  | 2.2   |
|                  | BS-180 <sup>2</sup>   | mmol/L | 6.99        | 5.94                   | — | 8.04  | 0.35  | BS-400 <sup>12</sup>   | mmol/L      | 7.10                   | 6.04  | —    | 8.17  | 0.36  |
|                  |                       | mg/dL  | 42.0        | 35.7                   | — | 48.3  | 2.1   |                        | mg/dL       | 42.6                   | 36.3  | —    | 49.1  | 2.2   |
|                  | BS-200 <sup>3</sup>   | mmol/L | 6.99        | 5.94                   | — | 8.04  | 0.35  | BS-430 <sup>13</sup>   | mmol/L      | 7.08                   | 6.02  | —    | 8.14  | 0.35  |
|                  |                       | mg/dL  | 42.0        | 35.7                   | — | 48.3  | 2.1   |                        | mg/dL       | 42.5                   | 36.2  | —    | 48.9  | 2.1   |
|                  | BS-200E <sup>4</sup>  | mmol/L | 7.08        | 6.02                   | — | 8.14  | 0.35  | BS-480 <sup>14</sup>   | mmol/L      | 6.92                   | 5.88  | —    | 7.96  | 0.35  |
|                  |                       | mg/dL  | 42.5        | 36.2                   | — | 48.9  | 2.1   |                        | mg/dL       | 41.6                   | 35.3  | —    | 47.8  | 2.1   |
|                  | BS-230 <sup>5</sup>   | mmol/L | 6.97        | 5.92                   | — | 8.02  | 0.35  | BS-600 <sup>15</sup>   | mmol/L      | 7.08                   | 6.02  | —    | 8.14  | 0.35  |
|                  |                       | mg/dL  | 41.9        | 35.6                   | — | 48.2  | 2.1   |                        | mg/dL       | 42.5                   | 36.2  | —    | 48.9  | 2.1   |
|                  | BS-240E <sup>6</sup>  | mmol/L | 6.93        | 5.89                   | — | 7.97  | 0.35  | BS-600M <sup>16</sup>  | mmol/L      | 7.01                   | 5.96  | —    | 8.06  | 0.35  |
|                  |                       | mg/dL  | 41.6        | 35.4                   | — | 47.9  | 2.1   |                        | mg/dL       | 42.1                   | 35.8  | —    | 48.4  | 2.1   |
|                  | BS-300 <sup>7</sup>   | mmol/L | 7.10        | 6.04                   | — | 8.17  | 0.36  | BS-620M <sup>17</sup>  | mmol/L      | 7.01                   | 5.96  | —    | 8.06  | 0.35  |
|                  |                       | mg/dL  | 42.6        | 36.3                   | — | 49.1  | 2.2   |                        | mg/dL       | 42.1                   | 35.8  | —    | 48.4  | 2.1   |
|                  | BS-330 <sup>8</sup>   | mmol/L | 6.99        | 5.94                   | — | 8.04  | 0.35  | BS-800 <sup>18</sup>   | mmol/L      | 7.08                   | 6.02  | —    | 8.14  | 0.35  |
|                  |                       | mg/dL  | 42.0        | 35.7                   | — | 48.3  | 2.1   |                        | mg/dL       | 42.5                   | 36.2  | —    | 48.9  | 2.1   |
|                  | BS-330E <sup>9</sup>  | mmol/L | 7.08        | 6.02                   | — | 8.14  | 0.35  | BS-2000 <sup>19</sup>  | mmol/L      | 6.99                   | 5.94  | —    | 8.04  | 0.35  |
|                  |                       | mg/dL  | 42.5        | 36.2                   | — | 48.9  | 2.1   |                        | mg/dL       | 42.0                   | 35.7  | —    | 48.3  | 2.1   |
|                  | BS-360E <sup>10</sup> | mmol/L | 7.08        | 6.02                   | — | 8.14  | 0.35  | BS-2800M <sup>20</sup> | mmol/L      | 6.83                   | 5.81  | —    | 7.85  | 0.34  |
|                  |                       | mg/dL  | 42.5        | 36.2                   | — | 48.9  | 2.1   |                        | mg/dL       | 41.0                   | 34.9  | —    | 47.1  | 2.0   |
| LIP              | BS-120 <sup>1</sup>   | U/L    | 46.1        | 36.8                   | — | 55.4  | 3.1   | BS-380 <sup>11</sup>   | U/L         | 47.2                   | 37.7  | —    | 56.7  | 3.2   |
|                  |                       | μkat/L | 0.770       | 0.615                  | — | 0.925 | 0.052 |                        | μkat/L      | 0.788                  | 0.630 | —    | 0.947 | 0.053 |
|                  | BS-180 <sup>2</sup>   | U/L    | /           | /                      | — | /     | /     | BS-400 <sup>12</sup>   | U/L         | 47.2                   | 37.7  | —    | 56.7  | 3.2   |
|                  |                       | μkat/L | /           | /                      | — | /     | /     |                        | μkat/L      | 0.788                  | 0.630 | —    | 0.947 | 0.053 |
|                  | BS-200 <sup>3</sup>   | U/L    | 46.5        | 37.2                   | — | 55.8  | 3.1   | BS-430 <sup>13</sup>   | U/L         | 46.8                   | 37.4  | —    | 56.2  | 3.1   |
|                  |                       | μkat/L | 0.777       | 0.621                  | — | 0.932 | 0.052 |                        | μkat/L      | 0.782                  | 0.625 | —    | 0.939 | 0.052 |
|                  | BS-200E <sup>4</sup>  | U/L    | 46.8        | 37.4                   | — | 56.2  | 3.1   | BS-480 <sup>14</sup>   | U/L         | 46.2                   | 36.9  | —    | 55.5  | 3.1   |
|                  |                       | μkat/L | 0.782       | 0.625                  | — | 0.939 | 0.052 |                        | μkat/L      | 0.772                  | 0.616 | —    | 0.927 | 0.052 |
|                  | BS-230 <sup>5</sup>   | U/L    | 46.0        | 36.8                   | — | 55.2  | 3.1   | BS-600 <sup>15</sup>   | U/L         | 46.1                   | 36.8  | —    | 55.4  | 3.1   |
|                  |                       | μkat/L | 0.768       | 0.615                  | — | 0.922 | 0.052 |                        | μkat/L      | 0.770                  | 0.615 | —    | 0.925 | 0.052 |
|                  | BS-240E <sup>6</sup>  | U/L    | 45.7        | 36.5                   | — | 54.9  | 3.1   | BS-600M <sup>16</sup>  | U/L         | 46.4                   | 37.1  | —    | 55.7  | 3.1   |
|                  |                       | μkat/L | 0.763       | 0.610                  | — | 0.917 | 0.052 |                        | μkat/L      | 0.775                  | 0.620 | —    | 0.930 | 0.052 |
|                  | BS-300 <sup>7</sup>   | U/L    | 44.8        | 35.8                   | — | 53.8  | 3.0   | BS-620M <sup>17</sup>  | U/L         | 46.4                   | 37.1  | —    | 55.7  | 3.1   |
|                  |                       | μkat/L | 0.748       | 0.598                  | — | 0.898 | 0.050 |                        | μkat/L      | 0.775                  | 0.620 | —    | 0.930 | 0.052 |
|                  | BS-330 <sup>8</sup>   | U/L    | /           | /                      | — | /     | /     | BS-800 <sup>18</sup>   | U/L         | 46.1                   | 36.8  | —    | 55.4  | 3.1   |
|                  |                       | μkat/L | /           | /                      | — | /     | /     |                        | μkat/L      | 0.770                  | 0.615 | —    | 0.925 | 0.052 |
|                  | BS-330E <sup>9</sup>  | U/L    | 46.8        | 37.4                   | — | 56.2  | 3.1   | BS-2000 <sup>19</sup>  | U/L         | 46.2                   | 36.9  | —    | 55.5  | 3.1   |
|                  |                       | μkat/L | 0.782       | 0.625                  | — | 0.939 | 0.052 |                        | μkat/L      | 0.772                  | 0.616 | —    | 0.927 | 0.052 |
|                  | BS-360E <sup>10</sup> | U/L    | 44.7        | 35.7                   | — | 53.7  | 3.0   | BS-2800M <sup>20</sup> | U/L         | 46.6                   | 37.2  | —    | 56.0  | 3.1   |
|                  |                       | μkat/L | 0.746       | 0.596                  | — | 0.897 | 0.050 |                        | μkat/L      | 0.778                  | 0.621 | —    | 0.935 | 0.052 |
| CHE              | BS-200 <sup>3</sup>   | U/L    | 5742        | 4588                   | — | 6896  | 385   | BS-400 <sup>12</sup>   | U/L         | 5786                   | 4623  | —    | 6949  | 388   |
|                  |                       | μkat/L | 95.9        | 76.6                   | — | 115.2 | 6.4   |                        | μkat/L      | 96.6                   | 77.2  | —    | 116.0 | 6.5   |
|                  | BS-200E <sup>4</sup>  | U/L    | 5647        | 4512                   | — | 6782  | 378   | BS-430 <sup>13</sup>   | U/L         | 5802                   | 4636  | —    | 6968  | 389   |
|                  |                       | μkat/L | 94.3        | 75.4                   | — | 113.3 | 6.3   |                        | μkat/L      | 96.9                   | 77.4  | —    | 116.4 | 6.5   |
|                  | BS-230 <sup>5</sup>   | U/L    | 5741        | 4587                   | — | 6895  | 385   | BS-480 <sup>14</sup>   | U/L         | 5773                   | 4613  | —    | 6933  | 387   |
|                  |                       | μkat/L | 95.9        | 76.6                   | — | 115.1 | 6.4   |                        | μkat/L      | 96.4                   | 77.0  | —    | 115.8 | 6.5   |
|                  | BS-240E <sup>6</sup>  | U/L    | 5707        | 4560                   | — | 6854  | 382   | BS-600 <sup>15</sup>   | U/L         | 5802                   | 4636  | —    | 6968  | 389   |
|                  |                       | μkat/L | 95.3        | 76.2                   | — | 114.5 | 6.4   |                        | μkat/L      | 96.9                   | 77.4  | —    | 116.4 | 6.5   |
|                  | BS-300 <sup>7</sup>   | U/L    | 5770        | 4610                   | — | 6930  | 387   | BS-600M <sup>16</sup>  | U/L         | 5803                   | 4637  | —    | 6969  | 389   |
|                  |                       | μkat/L | 96.4        | 77.0                   | — | 115.7 | 6.5   |                        | μkat/L      | 96.9                   | 77.4  | —    | 116.4 | 6.5   |
|                  | BS-330 <sup>8</sup>   | U/L    | /           | /                      | — | /     | /     | BS-620M <sup>17</sup>  | U/L         | 5803                   | 4637  | —    | 6969  | 389   |
|                  |                       | μkat/L | /           | /                      | — | /     | /     |                        | μkat/L      | 96.9                   | 77.4  | —    | 116.4 | 6.5   |
|                  | BS-330E <sup>9</sup>  | U/L    | 5647        | 4512                   | — | 6782  | 378   | BS-800 <sup>18</sup>   | U/L         | 5802                   | 4636  | —    | 6968  | 389   |
|                  |                       | μkat/L | 94.3        | 75.4                   | — | 113.3 | 6.3   |                        | μkat/L      | 96.9                   | 77.4  | —    | 116.4 | 6.5   |
|                  | BS-360E <sup>10</sup> | U/L    | 5724        | 4573                   | — | 6875  | 384   | BS-2000 <sup>19</sup>  | U/L         | 5863                   | 4685  | —    | 7041  | 393   |
|                  |                       | μkat/L | 95.6        | 76.4                   | — | 114.8 | 6.4   |                        | μkat/L      | 97.9                   | 78.2  | —    | 117.6 | 6.6   |
|                  | BS-380 <sup>11</sup>  | U/L    | 5786        | 4623                   | — | 6949  | 388   | BS-2800M <sup>20</sup> | U/L         | 5803                   | 4637  | —    | 6969  | 389   |
|                  |                       | μkat/L | 96.6        | 77.2                   | — | 116.0 | 6.5   |                        | μkat/L      | 96.9                   | 77.4  | —    | 116.4 | 6.5   |

| Abbreviated name             | Model                        | Unit                         | Assay Value | Range(Assay Value±3SD) |       | 1 SD  | Model                         | Unit                          | Assay Value                  | Range(Assay Value±3SD) |      | 1 SD  |       |      |    |
|------------------------------|------------------------------|------------------------------|-------------|------------------------|-------|-------|-------------------------------|-------------------------------|------------------------------|------------------------|------|-------|-------|------|----|
| <b>Fe</b>                    | <b>BS-120</b> <sup>1</sup>   | μmol/L                       | 19.2        | 15.3                   | —     | 23.1  | 1.3                           | <b>BS-380</b> <sup>11</sup>   | μmol/L                       | 19.3                   | 15.4 | —     | 23.2  | 1.3  |    |
|                              |                              | mg/L                         | 1.08        | 0.86                   | —     | 1.29  | 0.07                          |                               | mg/L                         | 1.08                   | 0.86 | —     | 1.30  | 0.07 |    |
|                              | <b>BS-180</b> <sup>2</sup>   | μmol/L                       | 19.2        | 15.3                   | —     | 23.1  | 1.3                           | <b>BS-400</b> <sup>12</sup>   | μmol/L                       | 19.2                   | 15.3 | —     | 23.1  | 1.3  |    |
|                              |                              | mg/L                         | 1.08        | 0.86                   | —     | 1.29  | 0.07                          |                               | mg/L                         | 1.08                   | 0.86 | —     | 1.29  | 0.07 |    |
|                              | <b>BS-200</b> <sup>3</sup>   | μmol/L                       | 19.7        | 15.7                   | —     | 23.7  | 1.3                           | <b>BS-430</b> <sup>13</sup>   | μmol/L                       | 19.0                   | 15.2 | —     | 22.8  | 1.3  |    |
|                              |                              | mg/L                         | 1.10        | 0.88                   | —     | 1.33  | 0.07                          |                               | mg/L                         | 1.06                   | 0.85 | —     | 1.28  | 0.07 |    |
|                              | <b>BS-200E</b> <sup>4</sup>  | μmol/L                       | 18.7        | 14.9                   | —     | 22.5  | 1.3                           | <b>BS-480</b> <sup>14</sup>   | μmol/L                       | 18.9                   | 15.1 | —     | 22.7  | 1.3  |    |
|                              |                              | mg/L                         | 1.05        | 0.83                   | —     | 1.26  | 0.07                          |                               | mg/L                         | 1.06                   | 0.85 | —     | 1.27  | 0.07 |    |
|                              | <b>BS-230</b> <sup>5</sup>   | μmol/L                       | 19.4        | 15.5                   | —     | 23.3  | 1.3                           | <b>BS-600</b> <sup>15</sup>   | μmol/L                       | 18.9                   | 15.1 | —     | 22.7  | 1.3  |    |
|                              |                              | mg/L                         | 1.09        | 0.87                   | —     | 1.30  | 0.07                          |                               | mg/L                         | 1.06                   | 0.85 | —     | 1.27  | 0.07 |    |
|                              | <b>BS-240E</b> <sup>6</sup>  | μmol/L                       | 19.0        | 15.2                   | —     | 22.8  | 1.3                           | <b>BS-600M</b> <sup>16</sup>  | μmol/L                       | 19.2                   | 15.3 | —     | 23.1  | 1.3  |    |
|                              |                              | mg/L                         | 1.06        | 0.85                   | —     | 1.28  | 0.07                          |                               | mg/L                         | 1.08                   | 0.86 | —     | 1.29  | 0.07 |    |
|                              | <b>BS-300</b> <sup>7</sup>   | μmol/L                       | 19.8        | 15.8                   | —     | 23.8  | 1.3                           | <b>BS-620M</b> <sup>17</sup>  | μmol/L                       | 19.2                   | 15.3 | —     | 23.1  | 1.3  |    |
|                              |                              | mg/L                         | 1.11        | 0.88                   | —     | 1.33  | 0.07                          |                               | mg/L                         | 1.08                   | 0.86 | —     | 1.29  | 0.07 |    |
|                              | <b>BS-330</b> <sup>8</sup>   | μmol/L                       | 19.7        | 15.7                   | —     | 23.7  | 1.3                           | <b>BS-800</b> <sup>18</sup>   | μmol/L                       | 18.8                   | 15.0 | —     | 22.6  | 1.3  |    |
|                              |                              | mg/L                         | 1.10        | 0.88                   | —     | 1.33  | 0.07                          |                               | mg/L                         | 1.05                   | 0.84 | —     | 1.27  | 0.07 |    |
|                              | <b>BS-330E</b> <sup>9</sup>  | μmol/L                       | 18.7        | 14.9                   | —     | 22.5  | 1.3                           | <b>BS-2000</b> <sup>19</sup>  | μmol/L                       | 19.1                   | 15.3 | —     | 22.9  | 1.3  |    |
|                              |                              | mg/L                         | 1.05        | 0.83                   | —     | 1.26  | 0.07                          |                               | mg/L                         | 1.07                   | 0.86 | —     | 1.28  | 0.07 |    |
| <b>BS-360E</b> <sup>10</sup> | μmol/L                       | 19.1                         | 15.3        | —                      | 22.9  | 1.3   | <b>BS-2800M</b> <sup>20</sup> | μmol/L                        | 18.9                         | 15.1                   | —    | 22.7  | 1.3   |      |    |
|                              | mg/L                         | 1.07                         | 0.86        | —                      | 1.28  | 0.07  |                               | mg/L                          | 1.06                         | 0.85                   | —    | 1.27  | 0.07  |      |    |
| <b>UIBC</b>                  | <b>BS-230</b> <sup>5</sup>   | μmol/L                       | 31.5        | 25.2                   | —     | 37.8  | 2.1                           | <b>BS-600</b> <sup>15</sup>   | μmol/L                       | 30.3                   | 24.2 | —     | 36.4  | 2.0  |    |
|                              |                              | μg/dL                        | 176         | 141                    | —     | 211   | 12                            |                               | μg/dL                        | 169                    | 135  | —     | 203   | 11   |    |
|                              | <b>BS-240E</b> <sup>6</sup>  | μmol/L                       | 31.5        | 25.2                   | —     | 37.8  | 2.1                           | <b>BS-600M</b> <sup>16</sup>  | μmol/L                       | 32.0                   | 25.6 | —     | 38.4  | 2.1  |    |
|                              |                              | μg/dL                        | 176         | 141                    | —     | 211   | 12                            |                               | μg/dL                        | 179                    | 143  | —     | 215   | 12   |    |
|                              | <b>BS-360E</b> <sup>10</sup> | μmol/L                       | 32.4        | 25.9                   | —     | 38.9  | 2.2                           | <b>BS-620M</b> <sup>17</sup>  | μmol/L                       | 32.0                   | 25.6 | —     | 38.4  | 2.1  |    |
|                              |                              | μg/dL                        | 181         | 145                    | —     | 217   | 12                            |                               | μg/dL                        | 179                    | 143  | —     | 215   | 12   |    |
|                              | <b>BS-380</b> <sup>11</sup>  | μmol/L                       | 32.6        | 26.0                   | —     | 39.2  | 2.2                           | <b>BS-800</b> <sup>18</sup>   | μmol/L                       | 30.3                   | 24.2 | —     | 36.4  | 2.0  |    |
|                              |                              | μg/dL                        | 182         | 145                    | —     | 219   | 12                            |                               | μg/dL                        | 169                    | 135  | —     | 203   | 11   |    |
|                              | <b>BS-400</b> <sup>12</sup>  | μmol/L                       | 32.6        | 26.0                   | —     | 39.2  | 2.2                           | <b>BS-2000</b> <sup>19</sup>  | μmol/L                       | 29.6                   | 23.7 | —     | 35.5  | 2.0  |    |
|                              |                              | μg/dL                        | 182         | 145                    | —     | 219   | 12                            |                               | μg/dL                        | 165                    | 132  | —     | 198   | 11   |    |
|                              | <b>BS-430</b> <sup>13</sup>  | μmol/L                       | 30.3        | 24.2                   | —     | 36.4  | 2.0                           | <b>BS-2800M</b> <sup>20</sup> | μmol/L                       | 30.3                   | 24.2 | —     | 36.4  | 2.0  |    |
|                              |                              | μg/dL                        | 169         | 135                    | —     | 203   | 11                            |                               | μg/dL                        | 169                    | 135  | —     | 203   | 11   |    |
|                              | <b>BS-480</b> <sup>14</sup>  | μmol/L                       | 33.4        | 26.7                   | —     | 40.1  | 2.2                           |                               |                              |                        |      |       |       |      |    |
|                              |                              | μg/dL                        | 187         | 149                    | —     | 224   | 12                            |                               |                              |                        |      |       |       |      |    |
|                              | <b>ASOII</b>                 | <b>BS-200E</b> <sup>4</sup>  | IU/mL       | 119                    | 77    | —     | 161                           | 14                            | <b>BS-480</b> <sup>14</sup>  | IU/mL                  | 117  | 76    | —     | 158  | 14 |
|                              |                              | <b>BS-230</b> <sup>5</sup>   | IU/mL       | 121                    | 79    | —     | 163                           | 14                            | <b>BS-600</b> <sup>15</sup>  | IU/mL                  | 117  | 76    | —     | 158  | 14 |
|                              |                              | <b>BS-240E</b> <sup>6</sup>  | IU/mL       | 117                    | 76    | —     | 158                           | 14                            | <b>BS-600M</b> <sup>16</sup> | IU/mL                  | 116  | 75    | —     | 157  | 14 |
|                              |                              | <b>BS-360E</b> <sup>10</sup> | IU/mL       | 117                    | 76    | —     | 158                           | 14                            | <b>BS-620M</b> <sup>17</sup> | IU/mL                  | 116  | 75    | —     | 157  | 14 |
| <b>BS-380</b> <sup>11</sup>  |                              | IU/mL                        | 119         | 77                     | —     | 161   | 14                            | <b>BS-800</b> <sup>18</sup>   | IU/mL                        | 117                    | 76   | —     | 158   | 14   |    |
| <b>BS-400</b> <sup>12</sup>  |                              | IU/mL                        | 119         | 77                     | —     | 161   | 14                            | <b>BS-2000</b> <sup>19</sup>  | IU/mL                        | 117                    | 76   | —     | 158   | 14   |    |
| <b>BS-430</b> <sup>13</sup>  |                              | IU/mL                        | 117         | 76                     | —     | 158   | 14                            | <b>BS-2800M</b> <sup>20</sup> | IU/mL                        | 116                    | 75   | —     | 157   | 14   |    |
| <b>FER</b>                   | <b>BS-200E</b> <sup>4</sup>  | ng/mL                        | 90.8        | 77.2                   | —     | 104.4 | 4.5                           | <b>BS-480</b> <sup>14</sup>   | ng/mL                        | 91.9                   | 78.1 | —     | 105.7 | 4.6  |    |
|                              |                              | pmol/L                       | 204         | 173                    | —     | 235   | 10                            |                               | pmol/L                       | 206                    | 175  | —     | 238   | 10   |    |
|                              | <b>BS-230</b> <sup>5</sup>   | ng/mL                        | 95.9        | 81.5                   | —     | 110.3 | 4.8                           | <b>BS-600</b> <sup>15</sup>   | ng/mL                        | 91.9                   | 78.1 | —     | 105.7 | 4.6  |    |
|                              |                              | pmol/L                       | 215         | 183                    | —     | 248   | 11                            |                               | pmol/L                       | 206                    | 175  | —     | 238   | 10   |    |
|                              | <b>BS-240E</b> <sup>6</sup>  | ng/mL                        | 91.9        | 78.1                   | —     | 105.7 | 4.6                           | <b>BS-600M</b> <sup>16</sup>  | ng/mL                        | 90.5                   | 76.9 | —     | 104.1 | 4.5  |    |
|                              |                              | pmol/L                       | 206         | 175                    | —     | 238   | 10                            |                               | pmol/L                       | 203                    | 173  | —     | 234   | 10   |    |
|                              | <b>BS-360E</b> <sup>10</sup> | ng/mL                        | 91.9        | 78.1                   | —     | 105.7 | 4.6                           | <b>BS-620M</b> <sup>17</sup>  | ng/mL                        | 90.5                   | 76.9 | —     | 104.1 | 4.5  |    |
|                              |                              | pmol/L                       | 206         | 175                    | —     | 238   | 10                            |                               | pmol/L                       | 203                    | 173  | —     | 234   | 10   |    |
|                              | <b>BS-380</b> <sup>11</sup>  | ng/mL                        | 90.8        | 77.2                   | —     | 104.4 | 4.5                           | <b>BS-800</b> <sup>18</sup>   | ng/mL                        | 91.9                   | 78.1 | —     | 105.7 | 4.6  |    |
|                              |                              | pmol/L                       | 204         | 173                    | —     | 235   | 10                            |                               | pmol/L                       | 206                    | 175  | —     | 238   | 10   |    |
|                              | <b>BS-400</b> <sup>12</sup>  | ng/mL                        | 90.8        | 77.2                   | —     | 104.4 | 4.5                           | <b>BS-2000</b> <sup>19</sup>  | ng/mL                        | 91.0                   | 77.4 | —     | 104.7 | 4.6  |    |
|                              |                              | pmol/L                       | 204         | 173                    | —     | 235   | 10                            |                               | pmol/L                       | 204                    | 174  | —     | 235   | 10   |    |
| <b>BS-430</b> <sup>13</sup>  | ng/mL                        | 91.9                         | 78.1        | —                      | 105.7 | 4.6   | <b>BS-2800M</b> <sup>20</sup> | ng/mL                         | 90.5                         | 76.9                   | —    | 104.1 | 4.5   |      |    |
|                              | pmol/L                       | 206                          | 175         | —                      | 238   | 10    |                               | pmol/L                        | 203                          | 173                    | —    | 234   | 10    |      |    |



| Abbreviated name  | Model                 | Unit                | Assay Value | Range(Assay Value±3SD) |     | 1 SD | Model                | Unit                   | Assay Value          | Range(Assay Value±3SD) |      | 1 SD |      |      |   |
|---|-----------------------|---------------------|-------------|------------------------|-----|------|----------------------|------------------------|----------------------|------------------------|------|------|------|------|---|
| <b>HS-CRP</b><br>(Remark 5:<br>The target value of HS-CRP in BS-240 is only applicable to BS-240) | BS-120 <sup>1</sup>   | mg/L                | /           | /                      | —   | /    | BS-380 <sup>11</sup> | mg/L                   | 6.15                 | 4.31                   | —    | 8.00 | 0.62 |      |   |
|   |                       | nmol/L              | /           | /                      | —   | /    |                      | nmol/L                 | 58.5                 | 41.0                   | —    | 76.2 | 5.9  |      |   |
|   | BS-180 <sup>2</sup>   | mg/L                | /           | /                      | —   | /    | BS-400 <sup>12</sup> | mg/L                   | 6.09                 | 4.26                   | —    | 7.92 | 0.61 |      |   |
|   |                       | nmol/L              | /           | /                      | —   | /    |                      | nmol/L                 | 58.0                 | 40.6                   | —    | 75.4 | 5.8  |      |   |
|   | BS-200 <sup>3</sup>   | mg/L                | /           | /                      | —   | /    | BS-430 <sup>13</sup> | mg/L                   | 6.18                 | 4.33                   | —    | 8.03 | 0.62 |      |   |
|   |                       | nmol/L              | /           | /                      | —   | /    |                      | nmol/L                 | 58.8                 | 41.2                   | —    | 76.4 | 5.9  |      |   |
|   | BS-200E <sup>4</sup>  | mg/L                | 6.17        | 4.32                   | —   | 8.02 | 0.62                 | BS-480 <sup>14</sup>   | mg/L                 | 6.14                   | 4.30 | —    | 7.98 | 0.61 |   |
|   |                       | nmol/L              | 58.7        | 41.1                   | —   | 76.4 | 5.9                  |                        | nmol/L               | 58.5                   | 40.9 | —    | 76.0 | 5.8  |   |
|   | BS-230 <sup>5</sup>   | mg/L                | 6.11        | 4.28                   | —   | 7.94 | 0.61                 | BS-600 <sup>15</sup>   | mg/L                 | 6.14                   | 4.30 | —    | 7.98 | 0.61 |   |
|   |                       | nmol/L              | 58.2        | 40.7                   | —   | 75.6 | 5.8                  |                        | nmol/L               | 58.5                   | 40.9 | —    | 76.0 | 5.8  |   |
|   | BS-240E <sup>6</sup>  | mg/L                | 7.18        | 5.03                   | —   | 9.33 | 0.72                 | BS-600M <sup>16</sup>  | mg/L                 | 6.10                   | 4.27 | —    | 7.93 | 0.61 |   |
|   |                       | nmol/L              | 68.4        | 47.9                   | —   | 88.8 | 6.9                  |                        | nmol/L               | 58.1                   | 40.7 | —    | 75.5 | 5.8  |   |
|   | BS-300 <sup>7</sup>   | mg/L                | 6.15        | 4.31                   | —   | 8.00 | 0.62                 | BS-620M <sup>17</sup>  | mg/L                 | 6.10                   | 4.27 | —    | 7.93 | 0.61 |   |
|   |                       | nmol/L              | 58.5        | 41.0                   | —   | 76.2 | 5.9                  |                        | nmol/L               | 58.1                   | 40.7 | —    | 75.5 | 5.8  |   |
|   | BS-330 <sup>8</sup>   | mg/L                | /           | /                      | —   | /    | /                    | BS-800 <sup>18</sup>   | mg/L                 | 6.14                   | 4.30 | —    | 7.98 | 0.61 |   |
|   |                       | nmol/L              | /           | /                      | —   | /    | /                    |                        | nmol/L               | 58.5                   | 40.9 | —    | 76.0 | 5.8  |   |
|   | BS-330E <sup>9</sup>  | mg/L                | 6.17        | 4.32                   | —   | 8.02 | 0.62                 | BS-2000 <sup>19</sup>  | mg/L                 | 6.18                   | 4.33 | —    | 8.03 | 0.62 |   |
|   |                       | nmol/L              | 58.7        | 41.1                   | —   | 76.4 | 5.9                  |                        | nmol/L               | 58.8                   | 41.2 | —    | 76.4 | 5.9  |   |
|   | BS-360E <sup>10</sup> | mg/L                | 6.14        | 4.30                   | —   | 7.98 | 0.61                 | BS-2800M <sup>20</sup> | mg/L                 | 6.10                   | 4.27 | —    | 7.93 | 0.61 |   |
|   |                       | nmol/L              | 58.5        | 40.9                   | —   | 76.0 | 5.8                  |                        | nmol/L               | 58.1                   | 40.7 | —    | 75.5 | 5.8  |   |
| <b>TRF</b>  | BS-120 <sup>1</sup>   | g/L                 | 1.99        | 1.69                   | —   | 2.29 | 0.10                 | BS-430 <sup>13</sup>   | 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 <sup>2</sup>   | g/L                 | /           | /                      | —   | /    | /                    | BS-480 <sup>14</sup>   | g/L                  | 1.98                   | 1.68 | —    | 2.28 | 0.10 |   |
|   |                       | μmol/L              | /           | /                      | —   | /    | /                    |                        | μmol/L               | 24.9                   | 21.2 | —    | 28.7 | 1.3  |   |
|   | BS-200 <sup>3</sup>   | g/L                 | 2.01        | 1.71                   | —   | 2.31 | 0.10                 | BS-600 <sup>15</sup>   | g/L                  | 2.01                   | 1.71 | —    | 2.31 | 0.10 |   |
|   |                       | μmol/L              | 25.3        | 21.5                   | —   | 29.1 | 1.3                  |                        | μmol/L               | 25.3                   | 21.5 | —    | 29.1 | 1.3  |   |
|   | BS-200E <sup>4</sup>  | g/L                 | 2.07        | 1.76                   | —   | 2.38 | 0.10                 | BS-600M <sup>16</sup>  | g/L                  | 1.93                   | 1.64 | —    | 2.22 | 0.10 |   |
|   |                       | μmol/L              | 26.1        | 22.2                   | —   | 30.0 | 1.3                  |                        | μmol/L               | 24.3                   | 20.7 | —    | 28.0 | 1.3  |   |
|   | BS-230 <sup>5</sup>   | g/L                 | 2.00        | 1.70                   | —   | 2.30 | 0.10                 | BS-620M <sup>17</sup>  | g/L                  | 1.93                   | 1.64 | —    | 2.22 | 0.10 |   |
|   |                       | μmol/L              | 25.2        | 21.4                   | —   | 29.0 | 1.3                  |                        | μmol/L               | 24.3                   | 20.7 | —    | 28.0 | 1.3  |   |
|   | BS-240E <sup>6</sup>  | g/L                 | 2.00        | 1.70                   | —   | 2.30 | 0.10                 | BS-800 <sup>18</sup>   | g/L                  | 1.98                   | 1.68 | —    | 2.28 | 0.10 |   |
|   |                       | μmol/L              | 25.2        | 21.4                   | —   | 29.0 | 1.3                  |                        | μmol/L               | 24.9                   | 21.2 | —    | 28.7 | 1.3  |   |
|   | BS-360E <sup>10</sup> | g/L                 | 1.99        | 1.69                   | —   | 2.29 | 0.10                 | BS-2000 <sup>19</sup>  | g/L                  | 1.97                   | 1.67 | —    | 2.27 | 0.10 |   |
|   |                       | μmol/L              | 25.1        | 21.3                   | —   | 28.9 | 1.3                  |                        | μmol/L               | 24.8                   | 21.0 | —    | 28.6 | 1.3  |   |
|   | BS-380 <sup>11</sup>  | g/L                 | 2.07        | 1.76                   | —   | 2.38 | 0.10                 | BS-2800M <sup>20</sup> | g/L                  | 1.93                   | 1.64 | —    | 2.22 | 0.10 |   |
|   |                       | μmol/L              | 26.1        | 22.2                   | —   | 30.0 | 1.3                  |                        | μmol/L               | 24.3                   | 20.7 | —    | 28.0 | 1.3  |   |
|   | BS-400 <sup>12</sup>  | g/L                 | 2.07        | 1.76                   | —   | 2.38 | 0.10                 |                        |                      |                        |      |      |      |      |   |
|   |                       | μmol/L              | 26.1        | 22.2                   | —   | 30.0 | 1.3                  |                        |                      |                        |      |      |      |      |   |
|   | <b>Na<sup>+</sup></b> | BS-120 <sup>1</sup> | mmol/L      | 125                    | 113 | —    | 137                  | 4                      | BS-380 <sup>11</sup> | mmol/L                 | 126  | 114  | —    | 138  | 4 |
|   |                       | BS-180 <sup>2</sup> | mmol/L      | 125                    | 113 | —    | 137                  | 4                      | BS-400 <sup>12</sup> | mmol/L                 | 125  | 113  | —    | 137  | 4 |
| BS-200 <sup>3</sup>   |                       | mmol/L              | 125         | 113                    | —   | 137  | 4                    | BS-430 <sup>13</sup>   | mmol/L               | 126                    | 114  | —    | 138  | 4    |   |
| BS-200E <sup>4</sup>  |                       | mmol/L              | 125         | 113                    | —   | 137  | 4                    | BS-480 <sup>14</sup>   | mmol/L               | 124                    | 112  | —    | 136  | 4    |   |
| BS-230 <sup>5</sup>   |                       | mmol/L              | 125         | 113                    | —   | 137  | 4                    | BS-600 <sup>15</sup>   | mmol/L               | 121                    | 109  | —    | 133  | 4    |   |
| BS-240E <sup>6</sup>  |                       | mmol/L              | 121         | 109                    | —   | 133  | 4                    | BS-600M <sup>16</sup>  | mmol/L               | 124                    | 112  | —    | 136  | 4    |   |
| BS-300 <sup>7</sup>   |                       | mmol/L              | 125         | 113                    | —   | 137  | 4                    | BS-620M <sup>17</sup>  | mmol/L               | 124                    | 112  | —    | 136  | 4    |   |
| BS-330 <sup>8</sup>   |                       | mmol/L              | 125         | 113                    | —   | 137  | 4                    | BS-800 <sup>18</sup>   | mmol/L               | 114                    | 103  | —    | 125  | 4    |   |
| BS-330E <sup>9</sup>  |                       | mmol/L              | 125         | 113                    | —   | 137  | 4                    | BS-2000 <sup>19</sup>  | mmol/L               | 114                    | 103  | —    | 125  | 4    |   |
| BS-360E <sup>10</sup>   |                       | mmol/L              | 125         | 113                    | —   | 137  | 4                    | BS-2800M <sup>20</sup> | mmol/L               | 114                    | 103  | —    | 125  | 4    |   |

| Abbreviated name | Model                 | Unit   | Assay Value | Range(Assay Value±3SD) |   |       | 1 SD | Model                  | Unit   | Assay Value | Range(Assay Value±3SD) |   |       | 1 SD |
|------------------|-----------------------|--------|-------------|------------------------|---|-------|------|------------------------|--------|-------------|------------------------|---|-------|------|
| K <sup>+</sup>   | BS-120 <sup>1</sup>   | mmol/L | 3.84        | 3.46                   | — | 4.22  | 0.13 | BS-380 <sup>11</sup>   | mmol/L | 3.86        | 3.48                   | — | 4.24  | 0.13 |
|                  | BS-180 <sup>2</sup>   | mmol/L | 3.84        | 3.46                   | — | 4.22  | 0.13 | BS-400 <sup>12</sup>   | mmol/L | 3.84        | 3.46                   | — | 4.22  | 0.13 |
|                  | BS-200 <sup>3</sup>   | mmol/L | 3.84        | 3.46                   | — | 4.22  | 0.13 | BS-430 <sup>13</sup>   | mmol/L | 3.86        | 3.48                   | — | 4.24  | 0.13 |
|                  | BS-200E <sup>4</sup>  | mmol/L | 3.84        | 3.46                   | — | 4.22  | 0.13 | BS-480 <sup>14</sup>   | mmol/L | 3.81        | 3.43                   | — | 4.19  | 0.13 |
|                  | BS-230 <sup>5</sup>   | mmol/L | 3.84        | 3.46                   | — | 4.22  | 0.13 | BS-600 <sup>15</sup>   | mmol/L | 3.69        | 3.32                   | — | 4.06  | 0.12 |
|                  | BS-240E <sup>6</sup>  | mmol/L | 3.71        | 3.34                   | — | 4.08  | 0.12 | BS-600M <sup>16</sup>  | mmol/L | 3.97        | 3.58                   | — | 4.36  | 0.13 |
|                  | BS-300 <sup>7</sup>   | mmol/L | 3.84        | 3.46                   | — | 4.22  | 0.13 | BS-620M <sup>17</sup>  | mmol/L | 3.97        | 3.58                   | — | 4.36  | 0.13 |
|                  | BS-330 <sup>8</sup>   | mmol/L | 3.84        | 3.46                   | — | 4.22  | 0.13 | BS-800 <sup>18</sup>   | mmol/L | 3.67        | 3.31                   | — | 4.03  | 0.12 |
|                  | BS-330E <sup>9</sup>  | mmol/L | 3.84        | 3.46                   | — | 4.22  | 0.13 | BS-2000 <sup>19</sup>  | mmol/L | 3.67        | 3.31                   | — | 4.03  | 0.12 |
|                  | BS-360E <sup>10</sup> | mmol/L | 3.84        | 3.46                   | — | 4.22  | 0.13 | BS-2800M <sup>20</sup> | mmol/L | 3.65        | 3.29                   | — | 4.01  | 0.12 |
| Cl <sup>-</sup>  | BS-120 <sup>1</sup>   | mmol/L | 91.2        | 82.2                   | — | 100.2 | 3.0  | BS-380 <sup>11</sup>   | mmol/L | 91.3        | 82.3                   | — | 100.3 | 3.0  |
|                  | BS-180 <sup>2</sup>   | mmol/L | 91.2        | 82.2                   | — | 100.2 | 3.0  | BS-400 <sup>12</sup>   | mmol/L | 91.2        | 82.2                   | — | 100.2 | 3.0  |
|                  | BS-200 <sup>3</sup>   | mmol/L | 91.2        | 82.2                   | — | 100.2 | 3.0  | BS-430 <sup>13</sup>   | mmol/L | 90.2        | 81.3                   | — | 99.1  | 3.0  |
|                  | BS-200E <sup>4</sup>  | mmol/L | 91.2        | 82.2                   | — | 100.2 | 3.0  | BS-480 <sup>14</sup>   | mmol/L | 91.5        | 82.4                   | — | 100.6 | 3.0  |
|                  | BS-230 <sup>5</sup>   | mmol/L | 91.2        | 82.2                   | — | 100.2 | 3.0  | BS-600 <sup>15</sup>   | mmol/L | 86.8        | 78.2                   | — | 95.4  | 2.9  |
|                  | BS-240E <sup>6</sup>  | mmol/L | 89.0        | 80.2                   | — | 97.8  | 2.9  | BS-600M <sup>16</sup>  | mmol/L | 91.4        | 82.4                   | — | 100.4 | 3.0  |
|                  | BS-300 <sup>7</sup>   | mmol/L | 91.2        | 82.2                   | — | 100.2 | 3.0  | BS-620M <sup>17</sup>  | mmol/L | 91.4        | 82.4                   | — | 100.4 | 3.0  |
|                  | BS-330 <sup>8</sup>   | mmol/L | 91.2        | 82.2                   | — | 100.2 | 3.0  | BS-800 <sup>18</sup>   | mmol/L | 89.8        | 80.9                   | — | 98.7  | 3.0  |
|                  | BS-330E <sup>9</sup>  | mmol/L | 91.2        | 82.2                   | — | 100.2 | 3.0  | BS-2000 <sup>19</sup>  | mmol/L | 90.2        | 81.3                   | — | 99.1  | 3.0  |
|                  | BS-360E <sup>10</sup> | mmol/L | 91.2        | 82.2                   | — | 100.2 | 3.0  | BS-2800M <sup>20</sup> | mmol/L | 89.9        | 81.0                   | — | 98.8  | 3.0  |