

## 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 Sisteminin değer sayfası

**We have updated the control value for new version Crea, ApoB and Bil-D 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-800:** BS-800, BS-820, BS-800M, BS-820M, BS-1800, BS-1800plus;

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

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

**LOT: 059422004**

**: 2024-02-29**

| 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    | kisaltılmış 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-гидроксипутиратдегидрогеназа   | Аполипопротеин A1        | Аполипопротеин B   | Комплемент C3                               |
| Português | Gama Glutamyl Transferase | α-Hidroxitbutirato Desidrogenase | Apolipoproteina A1       | Apolipoproteína B  | complemento C3                              |

|                 |                           |                                  |                    |                   |                |
|-----------------|---------------------------|----------------------------------|--------------------|-------------------|----------------|
| <b>Español</b>  | Gamma-Glutamiltransferasa | α-hidroxibutirato deshidrogenasa | Apolipoproteína A1 | Apolipoproteína B | complemento C3 |
| <b>Italiano</b> | Gamma-glutamiltransferasi | α-idrossibutirrato deidrogenasi  | Apolipoproteina A1 | Apolipoproteina B | complemento C3 |
| <b>Türkçe</b>   | Gama-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  | C-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          | Antistreptolislin "O"  | Ferritin   | Transferin   |

|                  | <b>Na<sup>+</sup></b> | <b>K<sup>+</sup></b> | <b>Cl<sup>-</sup></b> |
|------------------|-----------------------|----------------------|-----------------------|
| <b>English</b>   | Sodium                | Patassium            | 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 | Range(Assay Value±3SD) |      |      | 1 SD                          | Model                        | Unit   | Assay Value | Range(Assay Value±3SD) |      |      | 1 SD |
|-----------------------------|-----------------------------|--------|-------------|------------------------|------|------|-------------------------------|------------------------------|--------|-------------|------------------------|------|------|------|
|                             |                             |        |             |                        |      |      |                               |                              |        |             |                        |      |      |      |
| <b>ALB II</b>               | <b>BS-120</b> <sup>1</sup>  | g/L    | 46.0        | 39.1                   | —    | 52.9 | 2.3                           | <b>BS-360E</b> <sup>10</sup> | g/L    | 45.2        | 38.4                   | —    | 52.0 | 2.3  |
|                             |                             | μmol/L | 699         | 594                    | —    | 804  | 35                            |                              | μmol/L | 687         | 584                    | —    | 790  | 35   |
|                             | <b>BS-180</b> <sup>2</sup>  | g/L    | 46.0        | 39.1                   | —    | 52.9 | 2.3                           | <b>BS-380</b> <sup>11</sup>  | g/L    | 47.3        | 40.2                   | —    | 54.4 | 2.4  |
|                             |                             | μmol/L | 699         | 594                    | —    | 804  | 35                            |                              | μmol/L | 719         | 611                    | —    | 827  | 36   |
|                             | <b>BS-200</b> <sup>3</sup>  | g/L    | 46.6        | 39.6                   | —    | 53.6 | 2.3                           | <b>BS-400</b> <sup>12</sup>  | g/L    | 46.9        | 39.9                   | —    | 53.9 | 2.3  |
|                             |                             | μmol/L | 708         | 602                    | —    | 815  | 35                            |                              | μmol/L | 713         | 606                    | —    | 819  | 35   |
|                             | <b>BS-200E</b> <sup>4</sup> | g/L    | 45.8        | 38.9                   | —    | 52.7 | 2.3                           | <b>BS-430</b> <sup>13</sup>  | g/L    | 47.3        | 40.2                   | —    | 54.4 | 2.4  |
|                             |                             | μmol/L | 696         | 591                    | —    | 801  | 35                            |                              | μmol/L | 719         | 611                    | —    | 827  | 36   |
|                             | <b>BS-230</b> <sup>5</sup>  | g/L    | 47.9        | 40.7                   | —    | 55.1 | 2.4                           | <b>BS-480</b> <sup>14</sup>  | g/L    | 47.7        | 40.5                   | —    | 54.9 | 2.4  |
|                             |                             | μmol/L | 728         | 619                    | —    | 838  | 36                            |                              | μmol/L | 725         | 616                    | —    | 834  | 36   |
|                             | <b>BS-240E</b> <sup>6</sup> | g/L    | 45.8        | 38.9                   | —    | 52.7 | 2.3                           | <b>BS-600</b> <sup>15</sup>  | g/L    | 47.1        | 40.0                   | —    | 54.2 | 2.4  |
|                             |                             | μmol/L | 696         | 591                    | —    | 801  | 35                            |                              | μmol/L | 716         | 608                    | —    | 824  | 36   |
|                             | <b>BS-300</b> <sup>7</sup>  | g/L    | 47.7        | 40.5                   | —    | 54.9 | 2.4                           | <b>BS-800</b> <sup>16</sup>  | g/L    | 46.8        | 39.8                   | —    | 53.8 | 2.3  |
|                             |                             | μmol/L | 725         | 616                    | —    | 834  | 36                            |                              | μmol/L | 711         | 605                    | —    | 818  | 35   |
|                             | <b>BS-330</b> <sup>8</sup>  | g/L    | 46.6        | 39.6                   | —    | 53.6 | 2.3                           | <b>BS-2000</b> <sup>17</sup> | g/L    | 46.9        | 39.9                   | —    | 53.9 | 2.3  |
|                             |                             | μmol/L | 708         | 602                    | —    | 815  | 35                            |                              | μmol/L | 713         | 606                    | —    | 819  | 35   |
| <b>BS-330E</b> <sup>9</sup> | g/L                         | 45.8   | 38.9        | —                      | 52.7 | 2.3  | <b>BS-2800M</b> <sup>18</sup> | g/L                          | 47.5   | 40.4        | —                      | 54.6 | 2.4  |      |
|                             | μmol/L                      | 696    | 591         | —                      | 801  | 35   |                               | μmol/L                       | 722    | 614         | —                      | 830  | 36   |      |

| Abbreviated name | Model                       | Unit   | Assay Value | Range(Assay Value±3SD) |   | 1 SD | Model | Unit                          | Assay Value | Range(Assay Value±3SD) |      | 1 SD |      |      |
|------------------|-----------------------------|--------|-------------|------------------------|---|------|-------|-------------------------------|-------------|------------------------|------|------|------|------|
| <b>ALP</b>       | <b>BS-120</b> <sup>1</sup>  | U/L    | 214         | 182                    | — | 246  | 11    | <b>BS-360E</b> <sup>10</sup>  | U/L         | 212                    | 180  | —    | 244  | 11   |
|                  |                             | μkat/L | 3.57        | 3.04                   | — | 4.11 | 0.18  |                               | μkat/L      | 3.54                   | 3.01 | —    | 4.07 | 0.18 |
|                  | <b>BS-180</b> <sup>2</sup>  | U/L    | 214         | 182                    | — | 246  | 11    | <b>BS-380</b> <sup>11</sup>   | U/L         | 217                    | 184  | —    | 250  | 11   |
|                  |                             | μkat/L | 3.57        | 3.04                   | — | 4.11 | 0.18  |                               | μkat/L      | 3.62                   | 3.07 | —    | 4.18 | 0.18 |
|                  | <b>BS-200</b> <sup>3</sup>  | U/L    | 210         | 179                    | — | 242  | 11    | <b>BS-400</b> <sup>12</sup>   | U/L         | 217                    | 184  | —    | 250  | 11   |
|                  |                             | μkat/L | 3.51        | 2.99                   | — | 4.04 | 0.18  |                               | μkat/L      | 3.62                   | 3.07 | —    | 4.18 | 0.18 |
|                  | <b>BS-200E</b> <sup>4</sup> | U/L    | 216         | 184                    | — | 248  | 11    | <b>BS-430</b> <sup>13</sup>   | U/L         | 216                    | 184  | —    | 248  | 11   |
|                  |                             | μkat/L | 3.61        | 3.07                   | — | 4.14 | 0.18  |                               | μkat/L      | 3.61                   | 3.07 | —    | 4.14 | 0.18 |
|                  | <b>BS-230</b> <sup>5</sup>  | U/L    | 210         | 179                    | — | 242  | 11    | <b>BS-480</b> <sup>14</sup>   | U/L         | 214                    | 182  | —    | 246  | 11   |
|                  |                             | μkat/L | 3.51        | 2.99                   | — | 4.04 | 0.18  |                               | μkat/L      | 3.57                   | 3.04 | —    | 4.11 | 0.18 |
|                  | <b>BS-240E</b> <sup>6</sup> | U/L    | 212         | 180                    | — | 244  | 11    | <b>BS-600</b> <sup>15</sup>   | U/L         | 216                    | 184  | —    | 248  | 11   |
|                  |                             | μkat/L | 3.54        | 3.01                   | — | 4.07 | 0.18  |                               | μkat/L      | 3.61                   | 3.07 | —    | 4.14 | 0.18 |
|                  | <b>BS-300</b> <sup>7</sup>  | U/L    | 214         | 182                    | — | 246  | 11    | <b>BS-800</b> <sup>16</sup>   | U/L         | 216                    | 184  | —    | 248  | 11   |
|                  |                             | μkat/L | 3.57        | 3.04                   | — | 4.11 | 0.18  |                               | μkat/L      | 3.61                   | 3.07 | —    | 4.14 | 0.18 |
|                  | <b>BS-330</b> <sup>8</sup>  | U/L    | 210         | 179                    | — | 242  | 11    | <b>BS-2000</b> <sup>17</sup>  | U/L         | 213                    | 181  | —    | 245  | 11   |
|                  |                             | μkat/L | 3.51        | 2.99                   | — | 4.04 | 0.18  |                               | μkat/L      | 3.56                   | 3.02 | —    | 4.09 | 0.18 |
|                  | <b>BS-330E</b> <sup>9</sup> | U/L    | 216         | 184                    | — | 248  | 11    | <b>BS-2800M</b> <sup>18</sup> | U/L         | 211                    | 179  | —    | 243  | 11   |
|                  |                             | μkat/L | 3.61        | 3.07                   | — | 4.14 | 0.18  |                               | μkat/L      | 3.52                   | 2.99 | —    | 4.06 | 0.18 |
| <b>ALT</b>       | <b>BS-120</b> <sup>1</sup>  | U/L    | 137         | 116                    | — | 158  | 7     | <b>BS-360E</b> <sup>10</sup>  | U/L         | 138                    | 117  | —    | 159  | 7    |
|                  |                             | μkat/L | 2.29        | 1.94                   | — | 2.64 | 0.12  |                               | μkat/L      | 2.30                   | 1.95 | —    | 2.66 | 0.12 |
|                  | <b>BS-180</b> <sup>2</sup>  | U/L    | 137         | 116                    | — | 158  | 7     | <b>BS-380</b> <sup>11</sup>   | U/L         | 139                    | 118  | —    | 160  | 7    |
|                  |                             | μkat/L | 2.29        | 1.94                   | — | 2.64 | 0.12  |                               | μkat/L      | 2.32                   | 1.97 | —    | 2.67 | 0.12 |
|                  | <b>BS-200</b> <sup>3</sup>  | U/L    | 137         | 116                    | — | 158  | 7     | <b>BS-400</b> <sup>12</sup>   | U/L         | 139                    | 118  | —    | 160  | 7    |
|                  |                             | μkat/L | 2.29        | 1.94                   | — | 2.64 | 0.12  |                               | μkat/L      | 2.32                   | 1.97 | —    | 2.67 | 0.12 |
|                  | <b>BS-200E</b> <sup>4</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-230</b> <sup>5</sup>  | U/L    | 139         | 118                    | — | 160  | 7     | <b>BS-480</b> <sup>14</sup>   | U/L         | 139                    | 118  | —    | 160  | 7    |
|                  |                             | μkat/L | 2.32        | 1.97                   | — | 2.67 | 0.12  |                               | μkat/L      | 2.32                   | 1.97 | —    | 2.67 | 0.12 |
|                  | <b>BS-240E</b> <sup>6</sup> | U/L    | 137         | 116                    | — | 158  | 7     | <b>BS-600</b> <sup>15</sup>   | U/L         | 141                    | 120  | —    | 162  | 7    |
|                  |                             | μkat/L | 2.29        | 1.94                   | — | 2.64 | 0.12  |                               | μkat/L      | 2.35                   | 2.00 | —    | 2.71 | 0.12 |
|                  | <b>BS-300</b> <sup>7</sup>  | U/L    | 141         | 120                    | — | 162  | 7     | <b>BS-800</b> <sup>16</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-330</b> <sup>8</sup>  | U/L    | 137         | 116                    | — | 158  | 7     | <b>BS-2000</b> <sup>17</sup>  | U/L         | 138                    | 117  | —    | 159  | 7    |
|                  |                             | μkat/L | 2.29        | 1.94                   | — | 2.64 | 0.12  |                               | μkat/L      | 2.30                   | 1.95 | —    | 2.66 | 0.12 |
|                  | <b>BS-330E</b> <sup>9</sup> | U/L    | 140         | 119                    | — | 161  | 7     | <b>BS-2800M</b> <sup>18</sup> | U/L         | 139                    | 118  | —    | 160  | 7    |
|                  |                             | μkat/L | 2.34        | 1.99                   | — | 2.69 | 0.12  |                               | μkat/L      | 2.32                   | 1.97 | —    | 2.67 | 0.12 |
| <b>α-AMY</b>     | <b>BS-120</b> <sup>1</sup>  | U/L    | 193         | 164                    | — | 222  | 10    | <b>BS-360E</b> <sup>10</sup>  | U/L         | 195                    | 166  | —    | 224  | 10   |
|                  |                             | μkat/L | 3.22        | 2.74                   | — | 3.71 | 0.17  |                               | μkat/L      | 3.26                   | 2.77 | —    | 3.74 | 0.17 |
|                  | <b>BS-180</b> <sup>2</sup>  | U/L    | 193         | 164                    | — | 222  | 10    | <b>BS-380</b> <sup>11</sup>   | U/L         | 199                    | 169  | —    | 229  | 10   |
|                  |                             | μkat/L | 3.22        | 2.74                   | — | 3.71 | 0.17  |                               | μkat/L      | 3.32                   | 2.82 | —    | 3.82 | 0.17 |
|                  | <b>BS-200</b> <sup>3</sup>  | U/L    | 194         | 165                    | — | 223  | 10    | <b>BS-400</b> <sup>12</sup>   | U/L         | 199                    | 169  | —    | 229  | 10   |
|                  |                             | μkat/L | 3.24        | 2.76                   | — | 3.72 | 0.17  |                               | μkat/L      | 3.32                   | 2.82 | —    | 3.82 | 0.17 |
|                  | <b>BS-200E</b> <sup>4</sup> | U/L    | 198         | 168                    | — | 228  | 10    | <b>BS-430</b> <sup>13</sup>   | U/L         | 198                    | 168  | —    | 228  | 10   |
|                  |                             | μkat/L | 3.31        | 2.81                   | — | 3.81 | 0.17  |                               | μkat/L      | 3.31                   | 2.81 | —    | 3.81 | 0.17 |
|                  | <b>BS-230</b> <sup>5</sup>  | U/L    | 198         | 168                    | — | 228  | 10    | <b>BS-480</b> <sup>14</sup>   | U/L         | 198                    | 168  | —    | 228  | 10   |
|                  |                             | μkat/L | 3.31        | 2.81                   | — | 3.81 | 0.17  |                               | μkat/L      | 3.31                   | 2.81 | —    | 3.81 | 0.17 |
|                  | <b>BS-240E</b> <sup>6</sup> | U/L    | 196         | 167                    | — | 225  | 10    | <b>BS-600</b> <sup>15</sup>   | U/L         | 198                    | 168  | —    | 228  | 10   |
|                  |                             | μkat/L | 3.27        | 2.79                   | — | 3.76 | 0.17  |                               | μkat/L      | 3.31                   | 2.81 | —    | 3.81 | 0.17 |
|                  | <b>BS-300</b> <sup>7</sup>  | U/L    | 200         | 170                    | — | 230  | 10    | <b>BS-800</b> <sup>16</sup>   | U/L         | 199                    | 169  | —    | 229  | 10   |
|                  |                             | μkat/L | 3.34        | 2.84                   | — | 3.84 | 0.17  |                               | μkat/L      | 3.32                   | 2.82 | —    | 3.82 | 0.17 |
|                  | <b>BS-330</b> <sup>8</sup>  | U/L    | 194         | 165                    | — | 223  | 10    | <b>BS-2000</b> <sup>17</sup>  | U/L         | 200                    | 170  | —    | 230  | 10   |
|                  |                             | μkat/L | 3.24        | 2.76                   | — | 3.72 | 0.17  |                               | μkat/L      | 3.34                   | 2.84 | —    | 3.84 | 0.17 |
|                  | <b>BS-330E</b> <sup>9</sup> | U/L    | 198         | 168                    | — | 228  | 10    | <b>BS-2800M</b> <sup>18</sup> | U/L         | 194                    | 165  | —    | 223  | 10   |
|                  |                             | μkat/L | 3.31        | 2.81                   | — | 3.81 | 0.17  |                               | μkat/L      | 3.24                   | 2.76 | —    | 3.72 | 0.17 |

| 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>   | BS-120 <sup>1</sup>  | U/L    | 153         | 130                    | — | 176  | BS-360E <sup>10</sup>  | U/L    | 154         | 131                    | —    | 177  | 8    |
|  |                      | μkat/L | 2.56        | 2.17                   | — | 2.94 |                        | 0.13   | μkat/L      | 2.57                   | 2.19 | —    | 2.96 |
|  | BS-180 <sup>2</sup>  | U/L    | 153         | 130                    | — | 176  | BS-380 <sup>11</sup>   | U/L    | 156         | 133                    | —    | 179  | 8    |
|  |                      | μkat/L | 2.56        | 2.17                   | — | 2.94 |                        | 0.13   | μkat/L      | 2.61                   | 2.22 | —    | 2.99 |
|  | BS-200 <sup>3</sup>  | U/L    | 152         | 129                    | — | 175  | BS-400 <sup>12</sup>   | U/L    | 156         | 133                    | —    | 179  | 8    |
|  |                      | μkat/L | 2.54        | 2.15                   | — | 2.92 |                        | 0.13   | μkat/L      | 2.61                   | 2.22 | —    | 2.99 |
|  | BS-200E <sup>4</sup> | U/L    | 153         | 130                    | — | 176  | BS-430 <sup>13</sup>   | U/L    | 154         | 131                    | —    | 177  | 8    |
|  |                      | μkat/L | 2.56        | 2.17                   | — | 2.94 |                        | 0.13   | μkat/L      | 2.57                   | 2.19 | —    | 2.96 |
|  | BS-230 <sup>5</sup>  | U/L    | 153         | 130                    | — | 176  | BS-480 <sup>14</sup>   | U/L    | 154         | 131                    | —    | 177  | 8    |
|  |                      | μkat/L | 2.56        | 2.17                   | — | 2.94 |                        | 0.13   | μkat/L      | 2.57                   | 2.19 | —    | 2.96 |
|  | BS-240E <sup>6</sup> | U/L    | 154         | 131                    | — | 177  | BS-600 <sup>15</sup>   | U/L    | 154         | 131                    | —    | 177  | 8    |
|  |                      | μkat/L | 2.57        | 2.19                   | — | 2.96 |                        | 0.13   | μkat/L      | 2.57                   | 2.19 | —    | 2.96 |
|  | BS-300 <sup>7</sup>  | U/L    | 156         | 133                    | — | 179  | BS-800 <sup>16</sup>   | U/L    | 154         | 131                    | —    | 177  | 8    |
|  |                      | μkat/L | 2.61        | 2.22                   | — | 2.99 |                        | 0.13   | μkat/L      | 2.57                   | 2.19 | —    | 2.96 |
|  | BS-330 <sup>8</sup>  | U/L    | 152         | 129                    | — | 175  | BS-2000 <sup>17</sup>  | U/L    | 153         | 130                    | —    | 176  | 8    |
|  |                      | μkat/L | 2.54        | 2.15                   | — | 2.92 |                        | 0.13   | μkat/L      | 2.56                   | 2.17 | —    | 2.94 |
|  | BS-330E <sup>9</sup> | U/L    | 153         | 130                    | — | 176  | BS-2800M <sup>18</sup> | U/L    | 150         | 128                    | —    | 173  | 8    |
|  |                      | μkat/L | 2.56        | 2.17                   | — | 2.94 |                        | 0.13   | μkat/L      | 2.51                   | 2.14 | —    | 2.89 |
| <b>BiI-D (DSA) II</b>  | BS-120 <sup>1</sup>  | μmol/L | 44.5        | 34.5                   | — | 54.5 | BS-360E <sup>10</sup>  | μmol/L | 45.1        | 35.0                   | —    | 55.2 | 3.4  |
|  |                      | mg/dL  | 2.60        | 2.02                   | — | 3.19 |                        | 0.19   | mg/dL       | 2.64                   | 2.05 | —    | 3.23 |
|  | BS-180 <sup>2</sup>  | μmol/L | 44.5        | 34.5                   | — | 54.5 | BS-380 <sup>11</sup>   | μmol/L | 45.3        | 35.1                   | —    | 55.5 | 3.4  |
|  |                      | mg/dL  | 2.60        | 2.02                   | — | 3.19 |                        | 0.19   | mg/dL       | 2.65                   | 2.05 | —    | 3.25 |
|  | BS-200 <sup>3</sup>  | μmol/L | 45.0        | 34.9                   | — | 55.1 | BS-400 <sup>12</sup>   | μmol/L | 44.7        | 34.6                   | —    | 54.8 | 3.4  |
|  |                      | mg/dL  | 2.63        | 2.04                   | — | 3.22 |                        | 0.20   | mg/dL       | 2.61                   | 2.02 | —    | 3.20 |
|  | BS-200E <sup>4</sup> | μmol/L | 45.3        | 35.1                   | — | 55.5 | BS-430 <sup>13</sup>   | μmol/L | 44.7        | 34.6                   | —    | 54.8 | 3.4  |
|  |                      | mg/dL  | 2.65        | 2.05                   | — | 3.25 |                        | 0.20   | mg/dL       | 2.61                   | 2.02 | —    | 3.20 |
|  | BS-230 <sup>5</sup>  | μmol/L | 45.5        | 35.3                   | — | 55.7 | BS-480 <sup>14</sup>   | μmol/L | 44.8        | 34.7                   | —    | 54.9 | 3.4  |
|  |                      | mg/dL  | 2.66        | 2.06                   | — | 3.26 |                        | 0.20   | mg/dL       | 2.62                   | 2.03 | —    | 3.21 |
|  | BS-240E <sup>6</sup> | μmol/L | 44.9        | 34.8                   | — | 55.0 | BS-600 <sup>15</sup>   | μmol/L | 44.9        | 34.8                   | —    | 55.0 | 3.4  |
|  |                      | mg/dL  | 2.63        | 2.04                   | — | 3.22 |                        | 0.20   | mg/dL       | 2.63                   | 2.04 | —    | 3.22 |
|  | BS-300 <sup>7</sup>  | μmol/L | 44.9        | 34.8                   | — | 55.0 | BS-800 <sup>16</sup>   | μmol/L | 44.7        | 34.6                   | —    | 54.8 | 3.4  |
|  |                      | mg/dL  | 2.63        | 2.04                   | — | 3.22 |                        | 0.20   | mg/dL       | 2.61                   | 2.02 | —    | 3.20 |
|  | BS-330 <sup>8</sup>  | μmol/L | 45.0        | 34.9                   | — | 55.1 | BS-2000 <sup>17</sup>  | μmol/L | 44.9        | 34.8                   | —    | 55.0 | 3.4  |
|  |                      | mg/dL  | 2.63        | 2.04                   | — | 3.22 |                        | 0.20   | mg/dL       | 2.63                   | 2.04 | —    | 3.22 |
|  | BS-330E <sup>9</sup> | μmol/L | 45.3        | 35.1                   | — | 55.5 | BS-2800M <sup>18</sup> | μmol/L | 45.7        | 35.4                   | —    | 56.0 | 3.4  |
|  |                      | mg/dL  | 2.65        | 2.05                   | — | 3.25 |                        | 0.20   | mg/dL       | 2.67                   | 2.07 | —    | 3.27 |
| <b>BiI-D (VOX)</b><br>Note: This reference value is only applicable to 140721004 and subsequent batch reagents | BS-120 <sup>1</sup>  | μmol/L | 32.1        | 24.9                   | — | 39.3 | BS-360E <sup>10</sup>  | μmol/L | 32.0        | 24.8                   | —    | 39.2 | 2.4  |
|  |                      | mg/dL  | 1.88        | 1.46                   | — | 2.30 |                        | 0.14   | mg/dL       | 1.87                   | 1.45 | —    | 2.29 |
|  | BS-180 <sup>2</sup>  | μmol/L | 32.1        | 24.9                   | — | 39.3 | BS-380 <sup>11</sup>   | μmol/L | 32.3        | 25.0                   | —    | 39.6 | 2.4  |
|  |                      | mg/dL  | 1.88        | 1.46                   | — | 2.30 |                        | 0.14   | mg/dL       | 1.89                   | 1.46 | —    | 2.32 |
|  | BS-200 <sup>3</sup>  | μmol/L | 31.8        | 24.6                   | — | 39.0 | BS-400 <sup>12</sup>   | μmol/L | 32.7        | 25.3                   | —    | 40.1 | 2.5  |
|  |                      | mg/dL  | 1.86        | 1.44                   | — | 2.28 |                        | 0.14   | mg/dL       | 1.91                   | 1.48 | —    | 2.35 |
|  | BS-200E <sup>4</sup> | μmol/L | 32.8        | 25.4                   | — | 40.2 | BS-430 <sup>13</sup>   | μmol/L | 32.5        | 25.2                   | —    | 39.8 | 2.4  |
|  |                      | mg/dL  | 1.92        | 1.49                   | — | 2.35 |                        | 0.15   | mg/dL       | 1.90                   | 1.47 | —    | 2.33 |
|  | BS-230 <sup>5</sup>  | μmol/L | 32.7        | 25.3                   | — | 40.1 | BS-480 <sup>14</sup>   | μmol/L | 31.5        | 24.4                   | —    | 38.6 | 2.4  |
|  |                      | mg/dL  | 1.91        | 1.48                   | — | 2.35 |                        | 0.15   | mg/dL       | 1.84                   | 1.43 | —    | 2.26 |
|  | BS-240E <sup>6</sup> | μmol/L | 31.4        | 24.3                   | — | 38.5 | BS-600 <sup>15</sup>   | μmol/L | 32.3        | 25.0                   | —    | 39.6 | 2.4  |
|  |                      | mg/dL  | 1.84        | 1.42                   | — | 2.25 |                        | 0.14   | mg/dL       | 1.89                   | 1.46 | —    | 2.32 |
|  | BS-300 <sup>7</sup>  | μmol/L | 31.8        | 24.6                   | — | 39.0 | BS-800 <sup>16</sup>   | μmol/L | 32.3        | 25.0                   | —    | 39.6 | 2.4  |
|  |                      | mg/dL  | 1.86        | 1.44                   | — | 2.28 |                        | 0.14   | mg/dL       | 1.89                   | 1.46 | —    | 2.32 |
|  | BS-330 <sup>8</sup>  | μmol/L | 31.8        | 24.6                   | — | 39.0 | BS-2000 <sup>17</sup>  | μmol/L | 32.3        | 25.0                   | —    | 39.6 | 2.4  |
|  |                      | mg/dL  | 1.86        | 1.44                   | — | 2.28 |                        | 0.14   | mg/dL       | 1.89                   | 1.46 | —    | 2.32 |
|  | BS-330E <sup>9</sup> | μmol/L | 32.8        | 25.4                   | — | 40.2 | BS-2800M <sup>18</sup> | μmol/L | 32.0        | 24.8                   | —    | 39.2 | 2.4  |
|  |                      | mg/dL  | 1.92        | 1.49                   | — | 2.35 |                        | 0.15   | mg/dL       | 1.87                   | 1.45 | —    | 2.29 |

| Abbreviated name   | Model                | Unit   | Assay Value | Range(Assay Value±3SD) |   | 1 SD | Model | Unit                   | Assay Value | Range(Assay Value±3SD) |      | 1 SD |      |      |
|--|----------------------|--------|-------------|------------------------|---|------|-------|------------------------|-------------|------------------------|------|------|------|------|
| <b>Bil-D (VOX)</b><br>Note: This reference value is only applicable to 140721003 and before batch reagents | BS-120 <sup>1</sup>  | μmol/L | 36.9        | 28.6                   | — | 45.2 | 2.8   | BS-360E <sup>10</sup>  | μmol/L      | 38.3                   | 29.7 | —    | 46.9 | 2.9  |
|  |                      | mg/dL  | 2.16        | 1.67                   | — | 2.64 | 0.16  |                        | mg/dL       | 2.24                   | 1.74 | —    | 2.74 | 0.17 |
|  | BS-180 <sup>2</sup>  | μmol/L | 36.9        | 28.6                   | — | 45.2 | 2.8   | BS-380 <sup>11</sup>   | μmol/L      | 37.9                   | 29.4 | —    | 46.4 | 2.8  |
|  |                      | mg/dL  | 2.16        | 1.67                   | — | 2.64 | 0.16  |                        | mg/dL       | 2.22                   | 1.72 | —    | 2.71 | 0.16 |
|  | BS-200 <sup>3</sup>  | μmol/L | 36.9        | 28.6                   | — | 45.2 | 2.8   | BS-400 <sup>12</sup>   | μmol/L      | 37.9                   | 29.4 | —    | 46.4 | 2.8  |
|  |                      | mg/dL  | 2.16        | 1.67                   | — | 2.64 | 0.16  |                        | mg/dL       | 2.22                   | 1.72 | —    | 2.71 | 0.16 |
|  | BS-200E <sup>4</sup> | μmol/L | 37.6        | 29.1                   | — | 46.1 | 2.8   | BS-430 <sup>13</sup>   | μmol/L      | 38.3                   | 29.7 | —    | 46.9 | 2.9  |
|  |                      | mg/dL  | 2.20        | 1.70                   | — | 2.70 | 0.16  |                        | mg/dL       | 2.24                   | 1.74 | —    | 2.74 | 0.17 |
|  | BS-230 <sup>5</sup>  | μmol/L | 37.7        | 29.2                   | — | 46.2 | 2.8   | BS-480 <sup>14</sup>   | μmol/L      | 37.7                   | 29.2 | —    | 46.2 | 2.8  |
|  |                      | mg/dL  | 2.20        | 1.71                   | — | 2.70 | 0.16  |                        | mg/dL       | 2.20                   | 1.71 | —    | 2.70 | 0.16 |
|  | BS-240E <sup>6</sup> | μmol/L | 38.3        | 29.7                   | — | 46.9 | 2.9   | BS-600 <sup>15</sup>   | μmol/L      | 38.3                   | 29.7 | —    | 46.9 | 2.9  |
|  |                      | mg/dL  | 2.24        | 1.74                   | — | 2.74 | 0.17  |                        | mg/dL       | 2.24                   | 1.74 | —    | 2.74 | 0.17 |
|  | BS-300 <sup>7</sup>  | μmol/L | 37.9        | 29.4                   | — | 46.4 | 2.8   | BS-800 <sup>16</sup>   | μmol/L      | 38.3                   | 29.7 | —    | 46.9 | 2.9  |
|  |                      | mg/dL  | 2.22        | 1.72                   | — | 2.71 | 0.16  |                        | mg/dL       | 2.24                   | 1.74 | —    | 2.74 | 0.17 |
|  | BS-330 <sup>8</sup>  | μmol/L | 36.9        | 28.6                   | — | 45.2 | 2.8   | BS-2000 <sup>17</sup>  | μmol/L      | 38.6                   | 29.9 | —    | 47.3 | 2.9  |
|  |                      | mg/dL  | 2.16        | 1.67                   | — | 2.64 | 0.16  |                        | mg/dL       | 2.26                   | 1.75 | —    | 2.77 | 0.17 |
|  | BS-330E <sup>9</sup> | μmol/L | 37.6        | 29.1                   | — | 46.1 | 2.8   | BS-2800M <sup>18</sup> | μmol/L      | 38.0                   | 29.5 | —    | 46.6 | 2.9  |
|  |                      | mg/dL  | 2.20        | 1.70                   | — | 2.70 | 0.16  |                        | mg/dL       | 2.22                   | 1.73 | —    | 2.73 | 0.17 |
| <b>Bil-T (DSA) II</b>  | BS-120 <sup>1</sup>  | μmol/L | 69.6        | 53.9                   | — | 85.3 | 5.2   | BS-360E <sup>10</sup>  | μmol/L      | 72.0                   | 55.8 | —    | 88.2 | 5.4  |
|  |                      | mg/dL  | 4.07        | 3.15                   | — | 4.99 | 0.30  |                        | mg/dL       | 4.21                   | 3.26 | —    | 5.16 | 0.32 |
|  | BS-180 <sup>2</sup>  | μmol/L | 69.6        | 53.9                   | — | 85.3 | 5.2   | BS-380 <sup>11</sup>   | μmol/L      | 71.1                   | 55.1 | —    | 87.1 | 5.3  |
|  |                      | mg/dL  | 4.07        | 3.15                   | — | 4.99 | 0.30  |                        | mg/dL       | 4.16                   | 3.22 | —    | 5.09 | 0.31 |
|  | BS-200 <sup>3</sup>  | μmol/L | 69.1        | 53.6                   | — | 84.6 | 5.2   | BS-400 <sup>12</sup>   | μmol/L      | 71.1                   | 55.1 | —    | 87.1 | 5.3  |
|  |                      | mg/dL  | 4.04        | 3.13                   | — | 4.95 | 0.30  |                        | mg/dL       | 4.16                   | 3.22 | —    | 5.09 | 0.31 |
|  | BS-200E <sup>4</sup> | μmol/L | 71.1        | 55.1                   | — | 87.1 | 5.3   | BS-430 <sup>13</sup>   | μmol/L      | 72.0                   | 55.8 | —    | 88.2 | 5.4  |
|  |                      | mg/dL  | 4.16        | 3.22                   | — | 5.09 | 0.31  |                        | mg/dL       | 4.21                   | 3.26 | —    | 5.16 | 0.32 |
|  | BS-230 <sup>5</sup>  | μmol/L | 71.4        | 55.3                   | — | 87.5 | 5.4   | BS-480 <sup>14</sup>   | μmol/L      | 70.9                   | 54.9 | —    | 86.9 | 5.3  |
|  |                      | mg/dL  | 4.18        | 3.23                   | — | 5.12 | 0.32  |                        | mg/dL       | 4.15                   | 3.21 | —    | 5.08 | 0.31 |
|  | BS-240E <sup>6</sup> | μmol/L | 71.0        | 55.0                   | — | 87.0 | 5.3   | BS-600 <sup>15</sup>   | μmol/L      | 72.0                   | 55.8 | —    | 88.2 | 5.4  |
|  |                      | mg/dL  | 4.15        | 3.22                   | — | 5.09 | 0.31  |                        | mg/dL       | 4.21                   | 3.26 | —    | 5.16 | 0.32 |
|  | BS-300 <sup>7</sup>  | μmol/L | 71.1        | 55.1                   | — | 87.1 | 5.3   | BS-800 <sup>16</sup>   | μmol/L      | 72.0                   | 55.8 | —    | 88.2 | 5.4  |
|  |                      | mg/dL  | 4.16        | 3.22                   | — | 5.09 | 0.31  |                        | mg/dL       | 4.21                   | 3.26 | —    | 5.16 | 0.32 |
|  | BS-330 <sup>8</sup>  | μmol/L | 69.1        | 53.6                   | — | 84.6 | 5.2   | BS-2000 <sup>17</sup>  | μmol/L      | 72.1                   | 55.9 | —    | 88.3 | 5.4  |
|  |                      | mg/dL  | 4.04        | 3.13                   | — | 4.95 | 0.30  |                        | mg/dL       | 4.22                   | 3.27 | —    | 5.16 | 0.32 |
|  | BS-330E <sup>9</sup> | μmol/L | 71.1        | 55.1                   | — | 87.1 | 5.3   | BS-2800M <sup>18</sup> | μmol/L      | 72.3                   | 56.0 | —    | 88.6 | 5.4  |
|  |                      | mg/dL  | 4.16        | 3.22                   | — | 5.09 | 0.31  |                        | mg/dL       | 4.23                   | 3.27 | —    | 5.18 | 0.32 |
| <b>Bil-T (VOX)</b>   | BS-120 <sup>1</sup>  | μmol/L | 65.6        | 50.8                   | — | 80.4 | 4.9   | BS-360E <sup>10</sup>  | μmol/L      | 65.4                   | 50.7 | —    | 80.1 | 4.9  |
|  |                      | mg/dL  | 3.84        | 2.97                   | — | 4.70 | 0.29  |                        | mg/dL       | 3.83                   | 2.97 | —    | 4.68 | 0.29 |
|  | BS-180 <sup>2</sup>  | μmol/L | 65.6        | 50.8                   | — | 80.4 | 4.9   | BS-380 <sup>11</sup>   | μmol/L      | 64.5                   | 50.0 | —    | 79.0 | 4.8  |
|  |                      | mg/dL  | 3.84        | 2.97                   | — | 4.70 | 0.29  |                        | mg/dL       | 3.77                   | 2.92 | —    | 4.62 | 0.28 |
|  | BS-200 <sup>3</sup>  | μmol/L | 65.6        | 50.8                   | — | 80.4 | 4.9   | BS-400 <sup>12</sup>   | μmol/L      | 64.5                   | 50.0 | —    | 79.0 | 4.8  |
|  |                      | mg/dL  | 3.84        | 2.97                   | — | 4.70 | 0.29  |                        | mg/dL       | 3.77                   | 2.92 | —    | 4.62 | 0.28 |
|  | BS-200E <sup>4</sup> | μmol/L | 64.5        | 50.0                   | — | 79.0 | 4.8   | BS-430 <sup>13</sup>   | μmol/L      | 65.4                   | 50.7 | —    | 80.1 | 4.9  |
|  |                      | mg/dL  | 3.77        | 2.92                   | — | 4.62 | 0.28  |                        | mg/dL       | 3.82                   | 2.96 | —    | 4.68 | 0.29 |
|  | BS-230 <sup>5</sup>  | μmol/L | 65.4        | 50.7                   | — | 80.1 | 4.9   | BS-480 <sup>14</sup>   | μmol/L      | 65.4                   | 50.7 | —    | 80.1 | 4.9  |
|  |                      | mg/dL  | 3.82        | 2.96                   | — | 4.68 | 0.29  |                        | mg/dL       | 3.82                   | 2.96 | —    | 4.68 | 0.29 |
|  | BS-240E <sup>6</sup> | μmol/L | 65.4        | 50.7                   | — | 80.1 | 4.9   | BS-600 <sup>15</sup>   | μmol/L      | 65.4                   | 50.7 | —    | 80.1 | 4.9  |
|  |                      | mg/dL  | 3.82        | 2.96                   | — | 4.68 | 0.29  |                        | mg/dL       | 3.82                   | 2.96 | —    | 4.68 | 0.29 |
|  | BS-300 <sup>7</sup>  | μmol/L | 64.5        | 50.0                   | — | 79.0 | 4.8   | BS-800 <sup>16</sup>   | μmol/L      | 65.4                   | 50.7 | —    | 80.1 | 4.9  |
|  |                      | mg/dL  | 3.77        | 2.92                   | — | 4.62 | 0.28  |                        | mg/dL       | 3.82                   | 2.96 | —    | 4.68 | 0.29 |
|  | BS-330 <sup>8</sup>  | μmol/L | 65.6        | 50.8                   | — | 80.4 | 4.9   | BS-2000 <sup>17</sup>  | μmol/L      | 64.7                   | 50.1 | —    | 79.3 | 4.9  |
|  |                      | mg/dL  | 3.84        | 2.97                   | — | 4.70 | 0.29  |                        | mg/dL       | 3.78                   | 2.93 | —    | 4.64 | 0.29 |
|  | BS-330E <sup>9</sup> | μmol/L | 64.5        | 50.0                   | — | 79.0 | 4.8   | BS-2800M <sup>18</sup> | μmol/L      | 64.9                   | 50.3 | —    | 79.5 | 4.9  |
|  |                      | mg/dL  | 3.77        | 2.92                   | — | 4.62 | 0.28  |                        | mg/dL       | 3.80                   | 2.94 | —    | 4.65 | 0.29 |

| Abbreviated name | Model                       | Unit   | Assay Value | Range(Assay Value±3SD) |   | 1 SD | Model | Unit                          | Assay Value | Range(Assay Value±3SD) |      | 1 SD |      |      |
|------------------|-----------------------------|--------|-------------|------------------------|---|------|-------|-------------------------------|-------------|------------------------|------|------|------|------|
| <b>Ca</b>        | <b>BS-120</b> <sup>1</sup>  | mmol/L | 3.17        | 2.81                   | — | 3.53 | 0.12  | <b>BS-360E</b> <sup>10</sup>  | mmol/L      | 3.22                   | 2.85 | —    | 3.59 | 0.12 |
|                  |                             | mg/dL  | 12.7        | 11.3                   | — | 14.2 | 0.5   |                               | mg/dL       | 12.9                   | 11.4 | —    | 14.4 | 0.5  |
|                  | <b>BS-180</b> <sup>2</sup>  | mmol/L | 3.17        | 2.81                   | — | 3.53 | 0.12  | <b>BS-380</b> <sup>11</sup>   | mmol/L      | 3.30                   | 2.92 | —    | 3.68 | 0.13 |
|                  |                             | mg/dL  | 12.7        | 11.3                   | — | 14.2 | 0.5   |                               | mg/dL       | 13.2                   | 11.7 | —    | 14.8 | 0.5  |
|                  | <b>BS-200</b> <sup>3</sup>  | mmol/L | 3.16        | 2.80                   | — | 3.52 | 0.12  | <b>BS-400</b> <sup>12</sup>   | mmol/L      | 3.22                   | 2.85 | —    | 3.59 | 0.12 |
|                  |                             | mg/dL  | 12.7        | 11.2                   | — | 14.1 | 0.5   |                               | mg/dL       | 12.9                   | 11.4 | —    | 14.4 | 0.5  |
|                  | <b>BS-200E</b> <sup>4</sup> | mmol/L | 3.19        | 2.83                   | — | 3.55 | 0.12  | <b>BS-430</b> <sup>13</sup>   | mmol/L      | 3.19                   | 2.83 | —    | 3.55 | 0.12 |
|                  |                             | mg/dL  | 12.8        | 11.3                   | — | 14.2 | 0.5   |                               | mg/dL       | 12.8                   | 11.3 | —    | 14.2 | 0.5  |
|                  | <b>BS-230</b> <sup>5</sup>  | mmol/L | 3.17        | 2.81                   | — | 3.53 | 0.12  | <b>BS-480</b> <sup>14</sup>   | mmol/L      | 3.18                   | 2.82 | —    | 3.54 | 0.12 |
|                  |                             | mg/dL  | 12.7        | 11.3                   | — | 14.2 | 0.5   |                               | mg/dL       | 12.8                   | 11.3 | —    | 14.2 | 0.5  |
|                  | <b>BS-240E</b> <sup>6</sup> | mmol/L | 3.16        | 2.80                   | — | 3.52 | 0.12  | <b>BS-600</b> <sup>15</sup>   | mmol/L      | 3.19                   | 2.83 | —    | 3.55 | 0.12 |
|                  |                             | mg/dL  | 12.7        | 11.2                   | — | 14.1 | 0.5   |                               | mg/dL       | 12.8                   | 11.3 | —    | 14.2 | 0.5  |
|                  | <b>BS-300</b> <sup>7</sup>  | mmol/L | 3.18        | 2.82                   | — | 3.54 | 0.12  | <b>BS-800</b> <sup>16</sup>   | mmol/L      | 3.18                   | 2.82 | —    | 3.54 | 0.12 |
|                  |                             | mg/dL  | 12.8        | 11.3                   | — | 14.2 | 0.5   |                               | mg/dL       | 12.8                   | 11.3 | —    | 14.2 | 0.5  |
|                  | <b>BS-330</b> <sup>8</sup>  | mmol/L | 3.16        | 2.80                   | — | 3.52 | 0.12  | <b>BS-2000</b> <sup>17</sup>  | mmol/L      | 3.21                   | 2.84 | —    | 3.58 | 0.12 |
|                  |                             | mg/dL  | 12.7        | 11.2                   | — | 14.1 | 0.5   |                               | mg/dL       | 12.9                   | 11.4 | —    | 14.4 | 0.5  |
|                  | <b>BS-330E</b> <sup>9</sup> | mmol/L | 3.19        | 2.83                   | — | 3.55 | 0.12  | <b>BS-2800M</b> <sup>18</sup> | mmol/L      | 3.18                   | 2.82 | —    | 3.54 | 0.12 |
|                  |                             | mg/dL  | 12.8        | 11.3                   | — | 14.2 | 0.5   |                               | mg/dL       | 12.8                   | 11.3 | —    | 14.2 | 0.5  |
| <b>TC</b>        | <b>BS-120</b> <sup>1</sup>  | mmol/L | 4.40        | 3.81                   | — | 4.99 | 0.20  | <b>BS-360E</b> <sup>10</sup>  | mmol/L      | 4.50                   | 3.89 | —    | 5.11 | 0.20 |
|                  |                             | mg/dL  | 170         | 147                    | — | 193  | 8     |                               | mg/dL       | 174                    | 150  | —    | 198  | 8    |
|                  | <b>BS-180</b> <sup>2</sup>  | mmol/L | 4.40        | 3.81                   | — | 4.99 | 0.20  | <b>BS-380</b> <sup>11</sup>   | mmol/L      | 4.47                   | 3.87 | —    | 5.07 | 0.20 |
|                  |                             | mg/dL  | 170         | 147                    | — | 193  | 8     |                               | mg/dL       | 173                    | 150  | —    | 196  | 8    |
|                  | <b>BS-200</b> <sup>3</sup>  | mmol/L | 4.42        | 3.82                   | — | 5.02 | 0.20  | <b>BS-400</b> <sup>12</sup>   | mmol/L      | 4.47                   | 3.87 | —    | 5.07 | 0.20 |
|                  |                             | mg/dL  | 171         | 148                    | — | 194  | 8     |                               | mg/dL       | 173                    | 150  | —    | 196  | 8    |
|                  | <b>BS-200E</b> <sup>4</sup> | mmol/L | 4.47        | 3.87                   | — | 5.07 | 0.20  | <b>BS-430</b> <sup>13</sup>   | mmol/L      | 4.56                   | 3.94 | —    | 5.18 | 0.21 |
|                  |                             | mg/dL  | 173         | 150                    | — | 196  | 8     |                               | mg/dL       | 176                    | 152  | —    | 200  | 8    |
|                  | <b>BS-230</b> <sup>5</sup>  | mmol/L | 4.55        | 3.94                   | — | 5.16 | 0.20  | <b>BS-480</b> <sup>14</sup>   | mmol/L      | 4.56                   | 3.94 | —    | 5.18 | 0.21 |
|                  |                             | mg/dL  | 176         | 152                    | — | 199  | 8     |                               | mg/dL       | 176                    | 152  | —    | 200  | 8    |
|                  | <b>BS-240E</b> <sup>6</sup> | mmol/L | 4.50        | 3.89                   | — | 5.11 | 0.20  | <b>BS-600</b> <sup>15</sup>   | mmol/L      | 4.56                   | 3.94 | —    | 5.18 | 0.21 |
|                  |                             | mg/dL  | 174         | 150                    | — | 198  | 8     |                               | mg/dL       | 176                    | 152  | —    | 200  | 8    |
|                  | <b>BS-300</b> <sup>7</sup>  | mmol/L | 4.51        | 3.90                   | — | 5.12 | 0.20  | <b>BS-800</b> <sup>16</sup>   | mmol/L      | 4.56                   | 3.94 | —    | 5.18 | 0.21 |
|                  |                             | mg/dL  | 174         | 151                    | — | 198  | 8     |                               | mg/dL       | 176                    | 152  | —    | 200  | 8    |
|                  | <b>BS-330</b> <sup>8</sup>  | mmol/L | 4.42        | 3.82                   | — | 5.02 | 0.20  | <b>BS-2000</b> <sup>17</sup>  | mmol/L      | 4.47                   | 3.87 | —    | 5.07 | 0.20 |
|                  |                             | mg/dL  | 171         | 148                    | — | 194  | 8     |                               | mg/dL       | 173                    | 150  | —    | 196  | 8    |
|                  | <b>BS-330E</b> <sup>9</sup> | mmol/L | 4.47        | 3.87                   | — | 5.07 | 0.20  | <b>BS-2800M</b> <sup>18</sup> | mmol/L      | 4.45                   | 3.85 | —    | 5.05 | 0.20 |
|                  |                             | mg/dL  | 173         | 150                    | — | 196  | 8     |                               | mg/dL       | 172                    | 149  | —    | 195  | 8    |
| <b>HDL-C</b>     | <b>BS-120</b> <sup>1</sup>  | mmol/L | 1.50        | 1.16                   | — | 1.84 | 0.11  | <b>BS-360E</b> <sup>10</sup>  | mmol/L      | 1.49                   | 1.15 | —    | 1.83 | 0.11 |
|                  |                             | mg/dL  | 58.0        | 44.8                   | — | 71.1 | 4.3   |                               | mg/dL       | 57.6                   | 44.5 | —    | 70.7 | 4.3  |
|                  | <b>BS-180</b> <sup>2</sup>  | mmol/L | 1.50        | 1.16                   | — | 1.84 | 0.11  | <b>BS-380</b> <sup>11</sup>   | mmol/L      | 1.53                   | 1.19 | —    | 1.87 | 0.11 |
|                  |                             | mg/dL  | 58.0        | 44.8                   | — | 71.1 | 4.3   |                               | mg/dL       | 59.1                   | 46.0 | —    | 72.3 | 4.3  |
|                  | <b>BS-200</b> <sup>3</sup>  | mmol/L | 1.53        | 1.19                   | — | 1.87 | 0.11  | <b>BS-400</b> <sup>12</sup>   | mmol/L      | 1.55                   | 1.20 | —    | 1.90 | 0.12 |
|                  |                             | mg/dL  | 59.1        | 46.0                   | — | 72.3 | 4.3   |                               | mg/dL       | 59.9                   | 46.4 | —    | 73.5 | 4.6  |
|                  | <b>BS-200E</b> <sup>4</sup> | mmol/L | 1.52        | 1.18                   | — | 1.86 | 0.11  | <b>BS-430</b> <sup>13</sup>   | mmol/L      | 1.53                   | 1.19 | —    | 1.87 | 0.11 |
|                  |                             | mg/dL  | 58.8        | 45.6                   | — | 71.9 | 4.3   |                               | mg/dL       | 59.1                   | 46.0 | —    | 72.3 | 4.3  |
|                  | <b>BS-230</b> <sup>5</sup>  | mmol/L | 1.46        | 1.13                   | — | 1.79 | 0.11  | <b>BS-480</b> <sup>14</sup>   | mmol/L      | 1.55                   | 1.20 | —    | 1.90 | 0.12 |
|                  |                             | mg/dL  | 56.4        | 43.7                   | — | 69.2 | 4.3   |                               | mg/dL       | 59.9                   | 46.4 | —    | 73.5 | 4.6  |
|                  | <b>BS-240E</b> <sup>6</sup> | mmol/L | 1.47        | 1.14                   | — | 1.80 | 0.11  | <b>BS-600</b> <sup>15</sup>   | mmol/L      | 1.57                   | 1.22 | —    | 1.92 | 0.12 |
|                  |                             | mg/dL  | 56.8        | 44.1                   | — | 69.6 | 4.3   |                               | mg/dL       | 60.7                   | 47.2 | —    | 74.2 | 4.6  |
|                  | <b>BS-300</b> <sup>7</sup>  | mmol/L | 1.53        | 1.19                   | — | 1.87 | 0.11  | <b>BS-800</b> <sup>16</sup>   | mmol/L      | 1.53                   | 1.19 | —    | 1.87 | 0.11 |
|                  |                             | mg/dL  | 59.1        | 46.0                   | — | 72.3 | 4.3   |                               | mg/dL       | 59.1                   | 46.0 | —    | 72.3 | 4.3  |
|                  | <b>BS-330</b> <sup>8</sup>  | mmol/L | 1.53        | 1.19                   | — | 1.87 | 0.11  | <b>BS-2000</b> <sup>17</sup>  | mmol/L      | 1.52                   | 1.18 | —    | 1.86 | 0.11 |
|                  |                             | mg/dL  | 59.1        | 46.0                   | — | 72.3 | 4.3   |                               | mg/dL       | 58.8                   | 45.6 | —    | 71.9 | 4.3  |
|                  | <b>BS-330E</b> <sup>9</sup> | mmol/L | 1.52        | 1.18                   | — | 1.86 | 0.11  | <b>BS-2800M</b> <sup>18</sup> | mmol/L      | 1.49                   | 1.15 | —    | 1.83 | 0.11 |
|                  |                             | mg/dL  | 58.8        | 45.6                   | — | 71.9 | 4.3   |                               | mg/dL       | 57.6                   | 44.5 | —    | 70.7 | 4.3  |

| Abbreviated name | Model                       | Unit   | Assay Value | Range(Assay Value±3SD) |   | 1 SD  | Model | Unit                          | Assay Value | Range(Assay Value±3SD) |      | 1 SD |       |      |
|------------------|-----------------------------|--------|-------------|------------------------|---|-------|-------|-------------------------------|-------------|------------------------|------|------|-------|------|
| <b>LDL-C</b>     | <b>BS-120</b> <sup>1</sup>  | mmol/L | 2.63        | 2.04                   | — | 3.22  | 0.20  | <b>BS-360E</b> <sup>10</sup>  | mmol/L      | 2.68                   | 2.08 | —    | 3.28  | 0.20 |
|                  |                             | mg/dL  | 102         | 79                     | — | 124   | 8     |                               | mg/dL       | 104                    | 80   | —    | 127   | 8    |
|                  | <b>BS-180</b> <sup>2</sup>  | mmol/L | 2.63        | 2.04                   | — | 3.22  | 0.20  | <b>BS-380</b> <sup>11</sup>   | mmol/L      | 2.69                   | 2.08 | —    | 3.30  | 0.20 |
|                  |                             | mg/dL  | 102         | 79                     | — | 124   | 8     |                               | mg/dL       | 104                    | 80   | —    | 128   | 8    |
|                  | <b>BS-200</b> <sup>3</sup>  | mmol/L | 2.68        | 2.08                   | — | 3.28  | 0.20  | <b>BS-400</b> <sup>12</sup>   | mmol/L      | 2.66                   | 2.06 | —    | 3.26  | 0.20 |
|                  |                             | mg/dL  | 104         | 80                     | — | 127   | 8     |                               | mg/dL       | 103                    | 80   | —    | 126   | 8    |
|                  | <b>BS-200E</b> <sup>4</sup> | mmol/L | 2.69        | 2.08                   | — | 3.30  | 0.20  | <b>BS-430</b> <sup>13</sup>   | mmol/L      | 2.68                   | 2.08 | —    | 3.28  | 0.20 |
|                  |                             | mg/dL  | 104         | 80                     | — | 128   | 8     |                               | mg/dL       | 104                    | 80   | —    | 127   | 8    |
|                  | <b>BS-230</b> <sup>5</sup>  | mmol/L | 2.49        | 1.93                   | — | 3.05  | 0.19  | <b>BS-480</b> <sup>14</sup>   | mmol/L      | 2.72                   | 2.11 | —    | 3.33  | 0.20 |
|                  |                             | mg/dL  | 96.3        | 74.6                   | — | 117.9 | 7.3   |                               | mg/dL       | 105                    | 82   | —    | 129   | 8    |
|                  | <b>BS-240E</b> <sup>6</sup> | mmol/L | 2.64        | 2.05                   | — | 3.23  | 0.20  | <b>BS-600</b> <sup>15</sup>   | mmol/L      | 2.68                   | 2.08 | —    | 3.28  | 0.20 |
|                  |                             | mg/dL  | 102         | 79                     | — | 125   | 8     |                               | mg/dL       | 104                    | 80   | —    | 127   | 8    |
|                  | <b>BS-300</b> <sup>7</sup>  | mmol/L | 2.69        | 2.08                   | — | 3.30  | 0.20  | <b>BS-800</b> <sup>16</sup>   | mmol/L      | 2.66                   | 2.06 | —    | 3.26  | 0.20 |
|                  |                             | mg/dL  | 104         | 80                     | — | 128   | 8     |                               | mg/dL       | 103                    | 80   | —    | 126   | 8    |
|                  | <b>BS-330</b> <sup>8</sup>  | mmol/L | 2.68        | 2.08                   | — | 3.28  | 0.20  | <b>BS-2000</b> <sup>17</sup>  | mmol/L      | 2.65                   | 2.05 | —    | 3.25  | 0.20 |
|                  |                             | mg/dL  | 104         | 80                     | — | 127   | 8     |                               | mg/dL       | 102                    | 79   | —    | 126   | 8    |
|                  | <b>BS-330E</b> <sup>9</sup> | mmol/L | 2.69        | 2.08                   | — | 3.30  | 0.20  | <b>BS-2800M</b> <sup>18</sup> | mmol/L      | 2.70                   | 2.09 | —    | 3.31  | 0.20 |
|                  |                             | mg/dL  | 104         | 80                     | — | 128   | 8     |                               | mg/dL       | 104                    | 81   | —    | 128   | 8    |
| <b>CK</b>        | <b>BS-120</b> <sup>1</sup>  | U/L    | 249         | 212                    | — | 286   | 12    | <b>BS-360E</b> <sup>10</sup>  | U/L         | 253                    | 215  | —    | 291   | 13   |
|                  |                             | μkat/L | 4.16        | 3.54                   | — | 4.78  | 0.20  |                               | μkat/L      | 4.23                   | 3.59 | —    | 4.86  | 0.22 |
|                  | <b>BS-180</b> <sup>2</sup>  | U/L    | 249         | 212                    | — | 286   | 12    | <b>BS-380</b> <sup>11</sup>   | U/L         | 252                    | 214  | —    | 290   | 13   |
|                  |                             | μkat/L | 4.16        | 3.54                   | — | 4.78  | 0.20  |                               | μkat/L      | 4.21                   | 3.57 | —    | 4.84  | 0.22 |
|                  | <b>BS-200</b> <sup>3</sup>  | U/L    | 246         | 209                    | — | 283   | 12    | <b>BS-400</b> <sup>12</sup>   | U/L         | 252                    | 214  | —    | 290   | 13   |
|                  |                             | μkat/L | 4.11        | 3.49                   | — | 4.73  | 0.20  |                               | μkat/L      | 4.21                   | 3.57 | —    | 4.84  | 0.22 |
|                  | <b>BS-200E</b> <sup>4</sup> | U/L    | 248         | 211                    | — | 285   | 12    | <b>BS-430</b> <sup>13</sup>   | U/L         | 253                    | 215  | —    | 291   | 13   |
|                  |                             | μkat/L | 4.14        | 3.52                   | — | 4.76  | 0.20  |                               | μkat/L      | 4.23                   | 3.59 | —    | 4.86  | 0.22 |
|                  | <b>BS-230</b> <sup>5</sup>  | U/L    | 253         | 215                    | — | 291   | 13    | <b>BS-480</b> <sup>14</sup>   | U/L         | 248                    | 211  | —    | 285   | 12   |
|                  |                             | μkat/L | 4.23        | 3.59                   | — | 4.86  | 0.22  |                               | μkat/L      | 4.14                   | 3.52 | —    | 4.76  | 0.20 |
|                  | <b>BS-240E</b> <sup>6</sup> | U/L    | 253         | 215                    | — | 291   | 13    | <b>BS-600</b> <sup>15</sup>   | U/L         | 251                    | 213  | —    | 289   | 13   |
|                  |                             | μkat/L | 4.23        | 3.59                   | — | 4.86  | 0.22  |                               | μkat/L      | 4.19                   | 3.56 | —    | 4.83  | 0.22 |
|                  | <b>BS-300</b> <sup>7</sup>  | U/L    | 252         | 214                    | — | 290   | 13    | <b>BS-800</b> <sup>16</sup>   | U/L         | 253                    | 215  | —    | 291   | 13   |
|                  |                             | μkat/L | 4.21        | 3.57                   | — | 4.84  | 0.22  |                               | μkat/L      | 4.23                   | 3.59 | —    | 4.86  | 0.22 |
|                  | <b>BS-330</b> <sup>8</sup>  | U/L    | 246         | 209                    | — | 283   | 12    | <b>BS-2000</b> <sup>17</sup>  | U/L         | 250                    | 213  | —    | 288   | 13   |
|                  |                             | μkat/L | 4.11        | 3.49                   | — | 4.73  | 0.20  |                               | μkat/L      | 4.18                   | 3.56 | —    | 4.81  | 0.22 |
|                  | <b>BS-330E</b> <sup>9</sup> | U/L    | 248         | 211                    | — | 285   | 12    | <b>BS-2800M</b> <sup>18</sup> | U/L         | 254                    | 216  | —    | 292   | 13   |
|                  |                             | μkat/L | 4.14        | 3.52                   | — | 4.76  | 0.20  |                               | μkat/L      | 4.24                   | 3.61 | —    | 4.88  | 0.22 |
| <b>CK-MB</b>     | <b>BS-120</b> <sup>1</sup>  | U/L    | 93.0        | 72.1                   | — | 113.9 | 7.0   | <b>BS-360E</b> <sup>10</sup>  | U/L         | 96.7                   | 74.9 | —    | 118.5 | 7.3  |
|                  |                             | μkat/L | 1.55        | 1.20                   | — | 1.90  | 0.12  |                               | μkat/L      | 1.61                   | 1.25 | —    | 1.98  | 0.12 |
|                  | <b>BS-180</b> <sup>2</sup>  | U/L    | 93.0        | 72.1                   | — | 113.9 | 7.0   | <b>BS-380</b> <sup>11</sup>   | U/L         | 94.5                   | 73.2 | —    | 115.8 | 7.1  |
|                  |                             | μkat/L | 1.55        | 1.20                   | — | 1.90  | 0.12  |                               | μkat/L      | 1.58                   | 1.22 | —    | 1.93  | 0.12 |
|                  | <b>BS-200</b> <sup>3</sup>  | U/L    | 93.2        | 72.2                   | — | 114.2 | 7.0   | <b>BS-400</b> <sup>12</sup>   | U/L         | 94.6                   | 73.3 | —    | 115.9 | 7.1  |
|                  |                             | μkat/L | 1.56        | 1.21                   | — | 1.91  | 0.12  |                               | μkat/L      | 1.58                   | 1.22 | —    | 1.94  | 0.12 |
|                  | <b>BS-200E</b> <sup>4</sup> | U/L    | 95.9        | 74.3                   | — | 117.5 | 7.2   | <b>BS-430</b> <sup>13</sup>   | U/L         | 94.3                   | 73.1 | —    | 115.5 | 7.1  |
|                  |                             | μkat/L | 1.60        | 1.24                   | — | 1.96  | 0.12  |                               | μkat/L      | 1.57                   | 1.22 | —    | 1.93  | 0.12 |
|                  | <b>BS-230</b> <sup>5</sup>  | U/L    | 96.3        | 74.6                   | — | 118.0 | 7.2   | <b>BS-480</b> <sup>14</sup>   | U/L         | 94.8                   | 73.5 | —    | 116.1 | 7.1  |
|                  |                             | μkat/L | 1.61        | 1.25                   | — | 1.97  | 0.12  |                               | μkat/L      | 1.58                   | 1.23 | —    | 1.94  | 0.12 |
|                  | <b>BS-240E</b> <sup>6</sup> | U/L    | 94.5        | 73.2                   | — | 115.8 | 7.1   | <b>BS-600</b> <sup>15</sup>   | U/L         | 94.5                   | 73.2 | —    | 115.8 | 7.1  |
|                  |                             | μkat/L | 1.58        | 1.22                   | — | 1.93  | 0.12  |                               | μkat/L      | 1.58                   | 1.22 | —    | 1.93  | 0.12 |
|                  | <b>BS-300</b> <sup>7</sup>  | U/L    | 94.2        | 73.0                   | — | 115.4 | 7.1   | <b>BS-800</b> <sup>16</sup>   | U/L         | 94.3                   | 73.1 | —    | 115.5 | 7.1  |
|                  |                             | μkat/L | 1.57        | 1.22                   | — | 1.93  | 0.12  |                               | μkat/L      | 1.57                   | 1.22 | —    | 1.93  | 0.12 |
|                  | <b>BS-330</b> <sup>8</sup>  | U/L    | 93.2        | 72.2                   | — | 114.2 | 7.0   | <b>BS-2000</b> <sup>17</sup>  | U/L         | 93.3                   | 72.3 | —    | 114.3 | 7.0  |
|                  |                             | μkat/L | 1.56        | 1.21                   | — | 1.91  | 0.12  |                               | μkat/L      | 1.56                   | 1.21 | —    | 1.91  | 0.12 |
|                  | <b>BS-330E</b> <sup>9</sup> | U/L    | 95.9        | 74.3                   | — | 117.5 | 7.2   | <b>BS-2800M</b> <sup>18</sup> | U/L         | 98.3                   | 76.2 | —    | 120.4 | 7.4  |
|                  |                             | μkat/L | 1.60        | 1.24                   | — | 1.96  | 0.12  |                               | μkat/L      | 1.64                   | 1.27 | —    | 2.01  | 0.12 |

| 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 141121019 and subsequent batch reagents | BS-120 <sup>1</sup>  | μmol/L | 398         | 338                    | — | 458  | 20    | BS-360E <sup>10</sup>  | μmol/L      | 401                    | 341  | —    | 461  | 20   |
|   |                      | mg/dL  | 4.50        | 3.82                   | — | 5.18 | 0.23  |                        | mg/dL       | 4.54                   | 3.86 | —    | 5.21 | 0.23 |
|   | BS-180 <sup>2</sup>  | μmol/L | 398         | 338                    | — | 458  | 20    | BS-380 <sup>11</sup>   | μmol/L      | 401                    | 341  | —    | 461  | 20   |
|   |                      | mg/dL  | 4.50        | 3.82                   | — | 5.18 | 0.23  |                        | mg/dL       | 4.54                   | 3.86 | —    | 5.21 | 0.23 |
|   | BS-200 <sup>3</sup>  | μmol/L | 399         | 339                    | — | 459  | 20    | BS-400 <sup>12</sup>   | μmol/L      | 406                    | 345  | —    | 467  | 20   |
|   |                      | mg/dL  | 4.51        | 3.83                   | — | 5.19 | 0.23  |                        | mg/dL       | 4.59                   | 3.90 | —    | 5.28 | 0.23 |
|   | BS-200E <sup>4</sup> | μmol/L | 403         | 343                    | — | 463  | 20    | BS-430 <sup>13</sup>   | μmol/L      | 404                    | 343  | —    | 465  | 20   |
|   |                      | mg/dL  | 4.56        | 3.88                   | — | 5.24 | 0.23  |                        | mg/dL       | 4.57                   | 3.88 | —    | 5.26 | 0.23 |
|   | BS-230 <sup>5</sup>  | μmol/L | 403         | 343                    | — | 463  | 20    | BS-480 <sup>14</sup>   | μmol/L      | 401                    | 341  | —    | 461  | 20   |
|   |                      | mg/dL  | 4.56        | 3.88                   | — | 5.24 | 0.23  |                        | mg/dL       | 4.54                   | 3.86 | —    | 5.21 | 0.23 |
|   | BS-240E <sup>6</sup> | μmol/L | 402         | 342                    | — | 462  | 20    | BS-600 <sup>15</sup>   | μmol/L      | 411                    | 349  | —    | 473  | 21   |
|   |                      | mg/dL  | 4.55        | 3.87                   | — | 5.23 | 0.23  |                        | mg/dL       | 4.65                   | 3.95 | —    | 5.35 | 0.24 |
|   | BS-300 <sup>7</sup>  | μmol/L | 398         | 338                    | — | 458  | 20    | BS-800 <sup>16</sup>   | μmol/L      | 337                    | 286  | —    | 388  | 17   |
|   |                      | mg/dL  | 4.50        | 3.82                   | — | 5.18 | 0.23  |                        | mg/dL       | 3.81                   | 3.24 | —    | 4.39 | 0.19 |
|   | BS-330 <sup>8</sup>  | μmol/L | 399         | 339                    | — | 459  | 20    | BS-2000 <sup>17</sup>  | μmol/L      | 335                    | 285  | —    | 385  | 17   |
|   |                      | mg/dL  | 4.51        | 3.83                   | — | 5.19 | 0.23  |                        | mg/dL       | 3.79                   | 3.22 | —    | 4.36 | 0.19 |
|   | BS-330E <sup>9</sup> | μmol/L | 403         | 343                    | — | 463  | 20    | BS-2800M <sup>18</sup> | μmol/L      | 339                    | 288  | —    | 390  | 17   |
|   |                      | mg/dL  | 4.56        | 3.88                   | — | 5.24 | 0.23  |                        | mg/dL       | 3.83                   | 3.26 | —    | 4.41 | 0.19 |
| <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 | 411         | 349                    | — | 473  | 21    | BS-360E <sup>10</sup>  | μmol/L      | 415                    | 353  | —    | 477  | 21   |
|   |                      | mg/dL  | 4.65        | 3.95                   | — | 5.35 | 0.24  |                        | mg/dL       | 4.69                   | 3.99 | —    | 5.40 | 0.24 |
|   | BS-180 <sup>2</sup>  | μmol/L | 411         | 349                    | — | 473  | 21    | BS-380 <sup>11</sup>   | μmol/L      | 410                    | 349  | —    | 472  | 21   |
|   |                      | mg/dL  | 4.65        | 3.95                   | — | 5.35 | 0.24  |                        | mg/dL       | 4.64                   | 3.95 | —    | 5.34 | 0.24 |
|   | BS-200 <sup>3</sup>  | μmol/L | 408         | 347                    | — | 469  | 20    | BS-400 <sup>12</sup>   | μmol/L      | 410                    | 349  | —    | 472  | 21   |
|   |                      | mg/dL  | 4.62        | 3.93                   | — | 5.31 | 0.23  |                        | mg/dL       | 4.64                   | 3.95 | —    | 5.34 | 0.24 |
|   | BS-200E <sup>4</sup> | μmol/L | 420         | 357                    | — | 483  | 21    | BS-430 <sup>13</sup>   | μmol/L      | 416                    | 354  | —    | 478  | 21   |
|   |                      | mg/dL  | 4.75        | 4.04                   | — | 5.46 | 0.24  |                        | mg/dL       | 4.71                   | 4.00 | —    | 5.41 | 0.24 |
|   | BS-230 <sup>5</sup>  | μmol/L | 417         | 354                    | — | 480  | 21    | BS-480 <sup>14</sup>   | μmol/L      | 410                    | 349  | —    | 472  | 21   |
|   |                      | mg/dL  | 4.72        | 4.00                   | — | 5.43 | 0.24  |                        | mg/dL       | 4.64                   | 3.95 | —    | 5.34 | 0.24 |
|   | BS-240E <sup>6</sup> | μmol/L | 417         | 354                    | — | 480  | 21    | BS-600 <sup>15</sup>   | μmol/L      | 418                    | 355  | —    | 481  | 21   |
|   |                      | mg/dL  | 4.72        | 4.00                   | — | 5.43 | 0.24  |                        | mg/dL       | 4.73                   | 4.02 | —    | 5.44 | 0.24 |
|   | BS-300 <sup>7</sup>  | μmol/L | 408         | 347                    | — | 469  | 20    | BS-800 <sup>16</sup>   | μmol/L      | 337                    | 286  | —    | 388  | 17   |
|   |                      | mg/dL  | 4.62        | 3.93                   | — | 5.31 | 0.23  |                        | mg/dL       | 3.81                   | 3.24 | —    | 4.39 | 0.19 |
|   | BS-330 <sup>8</sup>  | μmol/L | 408         | 347                    | — | 469  | 20    | BS-2000 <sup>17</sup>  | μmol/L      | 335                    | 285  | —    | 385  | 17   |
|   |                      | mg/dL  | 4.62        | 3.93                   | — | 5.31 | 0.23  |                        | mg/dL       | 3.79                   | 3.22 | —    | 4.36 | 0.19 |
|   | BS-330E <sup>9</sup> | μmol/L | 420         | 357                    | — | 483  | 21    | BS-2800M <sup>18</sup> | μmol/L      | 339                    | 288  | —    | 390  | 17   |
|   |                      | mg/dL  | 4.75        | 4.04                   | — | 5.46 | 0.24  |                        | mg/dL       | 3.83                   | 3.26 | —    | 4.41 | 0.19 |
| <b>GLU (GOD)</b>  | BS-120 <sup>1</sup>  | mmol/L | 13.0        | 11.1                   | — | 15.0 | 0.7   | BS-360E <sup>10</sup>  | mmol/L      | 13.2                   | 11.2 | —    | 15.2 | 0.7  |
|   |                      | mg/dL  | 234         | 200                    | — | 270  | 13    |                        | mg/dL       | 238                    | 202  | —    | 274  | 13   |
|   | BS-180 <sup>2</sup>  | mmol/L | 13.0        | 11.1                   | — | 15.0 | 0.7   | BS-380 <sup>11</sup>   | mmol/L      | 13.4                   | 11.4 | —    | 15.4 | 0.7  |
|   |                      | mg/dL  | 234         | 200                    | — | 270  | 13    |                        | mg/dL       | 241                    | 205  | —    | 277  | 13   |
|   | BS-200 <sup>3</sup>  | mmol/L | 13.0        | 11.1                   | — | 15.0 | 0.7   | BS-400 <sup>12</sup>   | mmol/L      | 13.2                   | 11.2 | —    | 15.2 | 0.7  |
|   |                      | mg/dL  | 234         | 200                    | — | 270  | 13    |                        | mg/dL       | 238                    | 202  | —    | 274  | 13   |
|   | BS-200E <sup>4</sup> | mmol/L | 13.3        | 11.3                   | — | 15.3 | 0.7   | BS-430 <sup>13</sup>   | mmol/L      | 13.3                   | 11.3 | —    | 15.3 | 0.7  |
|   |                      | mg/dL  | 240         | 204                    | — | 276  | 13    |                        | mg/dL       | 240                    | 204  | —    | 276  | 13   |
|   | BS-230 <sup>5</sup>  | mmol/L | 13.2        | 11.2                   | — | 15.2 | 0.7   | BS-480 <sup>14</sup>   | mmol/L      | 13.2                   | 11.2 | —    | 15.2 | 0.7  |
|   |                      | mg/dL  | 238         | 202                    | — | 274  | 13    |                        | mg/dL       | 238                    | 202  | —    | 274  | 13   |
|   | BS-240E <sup>6</sup> | mmol/L | 13.2        | 11.2                   | — | 15.2 | 0.7   | BS-600 <sup>15</sup>   | mmol/L      | 13.3                   | 11.3 | —    | 15.3 | 0.7  |
|   |                      | mg/dL  | 238         | 202                    | — | 274  | 13    |                        | mg/dL       | 240                    | 204  | —    | 276  | 13   |
|   | BS-300 <sup>7</sup>  | mmol/L | 13.3        | 11.3                   | — | 15.3 | 0.7   | BS-800 <sup>16</sup>   | mmol/L      | 13.0                   | 11.1 | —    | 15.0 | 0.7  |
|   |                      | mg/dL  | 240         | 204                    | — | 276  | 13    |                        | mg/dL       | 234                    | 200  | —    | 270  | 13   |
|   | BS-330 <sup>8</sup>  | mmol/L | 13.0        | 11.1                   | — | 15.0 | 0.7   | BS-2000 <sup>17</sup>  | mmol/L      | 13.2                   | 11.2 | —    | 15.2 | 0.7  |
|   |                      | mg/dL  | 234         | 200                    | — | 270  | 13    |                        | mg/dL       | 238                    | 202  | —    | 274  | 13   |
|   | BS-330E <sup>9</sup> | mmol/L | 13.3        | 11.3                   | — | 15.3 | 0.7   | BS-2800M <sup>18</sup> | mmol/L      | 13.0                   | 11.1 | —    | 15.0 | 0.7  |
|   |                      | mg/dL  | 240         | 204                    | — | 276  | 13    |                        | mg/dL       | 234                    | 200  | —    | 270  | 13   |



| Abbreviated name | Model                       | Unit   | Assay Value | Range(Assay Value±3SD) |   | 1 SD | Model | Unit                          | Assay Value | Range(Assay Value±3SD) |      | 1 SD |      |      |
|------------------|-----------------------------|--------|-------------|------------------------|---|------|-------|-------------------------------|-------------|------------------------|------|------|------|------|
| <b>GLU (HK)</b>  | <b>BS-120</b> <sup>1</sup>  | mmol/L | 13.4        | 11.4                   | — | 15.4 | 0.7   | <b>BS-360E</b> <sup>10</sup>  | mmol/L      | 13.0                   | 11.1 | —    | 15.0 | 0.7  |
|                  |                             | mg/dL  | 241         | 205                    | — | 277  | 13    |                               | mg/dL       | 234                    | 200  | —    | 270  | 13   |
|                  | <b>BS-180</b> <sup>2</sup>  | mmol/L | 13.4        | 11.4                   | — | 15.4 | 0.7   | <b>BS-380</b> <sup>11</sup>   | mmol/L      | 13.5                   | 11.5 | —    | 15.5 | 0.7  |
|                  |                             | mg/dL  | 241         | 205                    | — | 277  | 13    |                               | mg/dL       | 243                    | 207  | —    | 279  | 13   |
|                  | <b>BS-200</b> <sup>3</sup>  | mmol/L | 13.2        | 11.2                   | — | 15.2 | 0.7   | <b>BS-400</b> <sup>12</sup>   | mmol/L      | 13.4                   | 11.4 | —    | 15.4 | 0.7  |
|                  |                             | mg/dL  | 238         | 202                    | — | 274  | 13    |                               | mg/dL       | 241                    | 205  | —    | 277  | 13   |
|                  | <b>BS-200E</b> <sup>4</sup> | mmol/L | 13.5        | 11.5                   | — | 15.5 | 0.7   | <b>BS-430</b> <sup>13</sup>   | mmol/L      | 13.3                   | 11.3 | —    | 15.3 | 0.7  |
|                  |                             | mg/dL  | 243         | 207                    | — | 279  | 13    |                               | mg/dL       | 240                    | 204  | —    | 276  | 13   |
|                  | <b>BS-230</b> <sup>5</sup>  | mmol/L | 13.6        | 11.6                   | — | 15.6 | 0.7   | <b>BS-480</b> <sup>14</sup>   | mmol/L      | 13.2                   | 11.2 | —    | 15.2 | 0.7  |
|                  |                             | mg/dL  | 245         | 209                    | — | 281  | 13    |                               | mg/dL       | 238                    | 202  | —    | 274  | 13   |
|                  | <b>BS-240E</b> <sup>6</sup> | mmol/L | 13.2        | 11.2                   | — | 15.2 | 0.7   | <b>BS-600</b> <sup>15</sup>   | mmol/L      | 13.2                   | 11.2 | —    | 15.2 | 0.7  |
|                  |                             | mg/dL  | 238         | 202                    | — | 274  | 13    |                               | mg/dL       | 238                    | 202  | —    | 274  | 13   |
|                  | <b>BS-300</b> <sup>7</sup>  | mmol/L | 13.5        | 11.5                   | — | 15.5 | 0.7   | <b>BS-800</b> <sup>16</sup>   | mmol/L      | 13.3                   | 11.3 | —    | 15.3 | 0.7  |
|                  |                             | mg/dL  | 243         | 207                    | — | 279  | 13    |                               | mg/dL       | 240                    | 204  | —    | 276  | 13   |
|                  | <b>BS-330</b> <sup>8</sup>  | mmol/L | 13.2        | 11.2                   | — | 15.2 | 0.7   | <b>BS-2000</b> <sup>17</sup>  | mmol/L      | 13.4                   | 11.4 | —    | 15.4 | 0.7  |
|                  |                             | mg/dL  | 238         | 202                    | — | 274  | 13    |                               | mg/dL       | 241                    | 205  | —    | 277  | 13   |
|                  | <b>BS-330E</b> <sup>9</sup> | mmol/L | 13.5        | 11.5                   | — | 15.5 | 0.7   | <b>BS-2800M</b> <sup>18</sup> | mmol/L      | 13.4                   | 11.4 | —    | 15.4 | 0.7  |
|                  |                             | mg/dL  | 243         | 207                    | — | 279  | 13    |                               | mg/dL       | 241                    | 205  | —    | 277  | 13   |
| <b>GGT</b>       | <b>BS-120</b> <sup>1</sup>  | U/L    | 231         | 196                    | — | 266  | 12    | <b>BS-360E</b> <sup>10</sup>  | U/L         | 232                    | 197  | —    | 267  | 12   |
|                  |                             | μkat/L | 3.86        | 3.27                   | — | 4.44 | 0.20  |                               | μkat/L      | 3.87                   | 3.29 | —    | 4.46 | 0.20 |
|                  | <b>BS-180</b> <sup>2</sup>  | U/L    | 231         | 196                    | — | 266  | 12    | <b>BS-380</b> <sup>11</sup>   | U/L         | 234                    | 199  | —    | 269  | 12   |
|                  |                             | μkat/L | 3.86        | 3.27                   | — | 4.44 | 0.20  |                               | μkat/L      | 3.91                   | 3.32 | —    | 4.49 | 0.20 |
|                  | <b>BS-200</b> <sup>3</sup>  | U/L    | 231         | 196                    | — | 266  | 12    | <b>BS-400</b> <sup>12</sup>   | U/L         | 234                    | 199  | —    | 269  | 12   |
|                  |                             | μkat/L | 3.86        | 3.27                   | — | 4.44 | 0.20  |                               | μkat/L      | 3.91                   | 3.32 | —    | 4.49 | 0.20 |
|                  | <b>BS-200E</b> <sup>4</sup> | U/L    | 235         | 200                    | — | 270  | 12    | <b>BS-430</b> <sup>13</sup>   | U/L         | 232                    | 197  | —    | 267  | 12   |
|                  |                             | μkat/L | 3.92        | 3.34                   | — | 4.51 | 0.20  |                               | μkat/L      | 3.87                   | 3.29 | —    | 4.46 | 0.20 |
|                  | <b>BS-230</b> <sup>5</sup>  | U/L    | 235         | 200                    | — | 270  | 12    | <b>BS-480</b> <sup>14</sup>   | U/L         | 232                    | 197  | —    | 267  | 12   |
|                  |                             | μkat/L | 3.92        | 3.34                   | — | 4.51 | 0.20  |                               | μkat/L      | 3.87                   | 3.29 | —    | 4.46 | 0.20 |
|                  | <b>BS-240E</b> <sup>6</sup> | U/L    | 231         | 196                    | — | 266  | 12    | <b>BS-600</b> <sup>15</sup>   | U/L         | 232                    | 197  | —    | 267  | 12   |
|                  |                             | μkat/L | 3.86        | 3.27                   | — | 4.44 | 0.20  |                               | μkat/L      | 3.87                   | 3.29 | —    | 4.46 | 0.20 |
|                  | <b>BS-300</b> <sup>7</sup>  | U/L    | 234         | 199                    | — | 269  | 12    | <b>BS-800</b> <sup>16</sup>   | U/L         | 232                    | 197  | —    | 267  | 12   |
|                  |                             | μkat/L | 3.91        | 3.32                   | — | 4.49 | 0.20  |                               | μkat/L      | 3.87                   | 3.29 | —    | 4.46 | 0.20 |
|                  | <b>BS-330</b> <sup>8</sup>  | U/L    | 231         | 196                    | — | 266  | 12    | <b>BS-2000</b> <sup>17</sup>  | U/L         | 231                    | 196  | —    | 266  | 12   |
|                  |                             | μkat/L | 3.86        | 3.27                   | — | 4.44 | 0.20  |                               | μkat/L      | 3.86                   | 3.27 | —    | 4.44 | 0.20 |
|                  | <b>BS-330E</b> <sup>9</sup> | U/L    | 235         | 200                    | — | 270  | 12    | <b>BS-2800M</b> <sup>18</sup> | U/L         | 231                    | 196  | —    | 266  | 12   |
|                  |                             | μkat/L | 3.92        | 3.34                   | — | 4.51 | 0.20  |                               | μkat/L      | 3.86                   | 3.27 | —    | 4.44 | 0.20 |
| <b>α-HBDH</b>    | <b>BS-120</b> <sup>1</sup>  | U/L    | 323         | 275                    | — | 371  | 16    | <b>BS-360E</b> <sup>10</sup>  | U/L         | 329                    | 280  | —    | 378  | 16   |
|                  |                             | μkat/L | 5.39        | 4.59                   | — | 6.20 | 0.27  |                               | μkat/L      | 5.49                   | 4.68 | —    | 6.31 | 0.27 |
|                  | <b>BS-180</b> <sup>2</sup>  | U/L    | 323         | 275                    | — | 371  | 16    | <b>BS-380</b> <sup>11</sup>   | U/L         | 329                    | 280  | —    | 378  | 16   |
|                  |                             | μkat/L | 5.39        | 4.59                   | — | 6.20 | 0.27  |                               | μkat/L      | 5.49                   | 4.68 | —    | 6.31 | 0.27 |
|                  | <b>BS-200</b> <sup>3</sup>  | U/L    | 326         | 277                    | — | 375  | 16    | <b>BS-400</b> <sup>12</sup>   | U/L         | 327                    | 278  | —    | 376  | 16   |
|                  |                             | μkat/L | 5.44        | 4.63                   | — | 6.26 | 0.27  |                               | μkat/L      | 5.46                   | 4.64 | —    | 6.28 | 0.27 |
|                  | <b>BS-200E</b> <sup>4</sup> | U/L    | 326         | 277                    | — | 375  | 16    | <b>BS-430</b> <sup>13</sup>   | U/L         | 328                    | 279  | —    | 377  | 16   |
|                  |                             | μkat/L | 5.44        | 4.63                   | — | 6.26 | 0.27  |                               | μkat/L      | 5.48                   | 4.66 | —    | 6.30 | 0.27 |
|                  | <b>BS-230</b> <sup>5</sup>  | U/L    | 328         | 279                    | — | 377  | 16    | <b>BS-480</b> <sup>14</sup>   | U/L         | 327                    | 278  | —    | 376  | 16   |
|                  |                             | μkat/L | 5.48        | 4.66                   | — | 6.30 | 0.27  |                               | μkat/L      | 5.46                   | 4.64 | —    | 6.28 | 0.27 |
|                  | <b>BS-240E</b> <sup>6</sup> | U/L    | 326         | 277                    | — | 375  | 16    | <b>BS-600</b> <sup>15</sup>   | U/L         | 328                    | 279  | —    | 377  | 16   |
|                  |                             | μkat/L | 5.44        | 4.63                   | — | 6.26 | 0.27  |                               | μkat/L      | 5.48                   | 4.66 | —    | 6.30 | 0.27 |
|                  | <b>BS-300</b> <sup>7</sup>  | U/L    | 328         | 279                    | — | 377  | 16    | <b>BS-800</b> <sup>16</sup>   | U/L         | 329                    | 280  | —    | 378  | 16   |
|                  |                             | μkat/L | 5.48        | 4.66                   | — | 6.30 | 0.27  |                               | μkat/L      | 5.49                   | 4.68 | —    | 6.31 | 0.27 |
|                  | <b>BS-330</b> <sup>8</sup>  | U/L    | 326         | 277                    | — | 375  | 16    | <b>BS-2000</b> <sup>17</sup>  | U/L         | 328                    | 279  | —    | 377  | 16   |
|                  |                             | μkat/L | 5.44        | 4.63                   | — | 6.26 | 0.27  |                               | μkat/L      | 5.48                   | 4.66 | —    | 6.30 | 0.27 |
|                  | <b>BS-330E</b> <sup>9</sup> | U/L    | 326         | 277                    | — | 375  | 16    | <b>BS-2800M</b> <sup>18</sup> | U/L         | 321                    | 273  | —    | 369  | 16   |
|                  |                             | μkat/L | 5.44        | 4.63                   | — | 6.26 | 0.27  |                               | μkat/L      | 5.36                   | 4.56 | —    | 6.16 | 0.27 |

| Abbreviated name   | Model                | Unit   | Assay Value | Range(Assay Value±3SD) |   | 1 SD  | Model | Unit                   | Assay Value | Range(Assay Value±3SD) |       | 1 SD |       |       |
|--|----------------------|--------|-------------|------------------------|---|-------|-------|------------------------|-------------|------------------------|-------|------|-------|-------|
| <b>ApoA1</b>   | BS-120 <sup>1</sup>  | g/L    | 1.93        | 1.50                   | — | 2.36  | 0.14  | BS-360E <sup>10</sup>  | g/L         | 1.87                   | 1.45  | —    | 2.29  | 0.14  |
|  |                      | μmol/L | 68.9        | 53.6                   | — | 84.3  | 5.0   |                        | μmol/L      | 66.8                   | 51.8  | —    | 81.8  | 5.0   |
|  | BS-180 <sup>2</sup>  | g/L    | 1.93        | 1.50                   | — | 2.36  | 0.14  | BS-380 <sup>11</sup>   | g/L         | 1.82                   | 1.41  | —    | 2.23  | 0.14  |
|  |                      | μmol/L | 68.9        | 53.6                   | — | 84.3  | 5.0   |                        | μmol/L      | 65.0                   | 50.3  | —    | 79.6  | 5.0   |
|  | BS-200 <sup>3</sup>  | g/L    | 1.78        | 1.38                   | — | 2.18  | 0.13  | BS-400 <sup>12</sup>   | g/L         | 1.92                   | 1.49  | —    | 2.35  | 0.14  |
|  |                      | μmol/L | 63.5        | 49.3                   | — | 77.8  | 4.6   |                        | μmol/L      | 68.5                   | 53.2  | —    | 83.9  | 5.0   |
|  | BS-200E <sup>4</sup> | g/L    | 2.06        | 1.60                   | — | 2.52  | 0.15  | BS-430 <sup>13</sup>   | g/L         | 1.90                   | 1.47  | —    | 2.33  | 0.14  |
|  |                      | μmol/L | 73.5        | 57.1                   | — | 90.0  | 5.4   |                        | μmol/L      | 67.8                   | 52.5  | —    | 83.2  | 5.0   |
|  | BS-230 <sup>5</sup>  | g/L    | 1.77        | 1.37                   | — | 2.17  | 0.13  | BS-480 <sup>14</sup>   | g/L         | 1.87                   | 1.45  | —    | 2.29  | 0.14  |
|  |                      | μmol/L | 63.2        | 48.9                   | — | 77.5  | 4.6   |                        | μmol/L      | 66.8                   | 51.8  | —    | 81.8  | 5.0   |
|  | BS-240E <sup>6</sup> | g/L    | 1.82        | 1.41                   | — | 2.23  | 0.14  | BS-600 <sup>15</sup>   | g/L         | 1.79                   | 1.39  | —    | 2.19  | 0.13  |
|  |                      | μmol/L | 65.0        | 50.3                   | — | 79.6  | 5.0   |                        | μmol/L      | 63.9                   | 49.6  | —    | 78.2  | 4.6   |
|  | BS-300 <sup>7</sup>  | g/L    | 1.83        | 1.42                   | — | 2.24  | 0.14  | BS-800 <sup>16</sup>   | g/L         | 1.81                   | 1.40  | —    | 2.22  | 0.14  |
|  |                      | μmol/L | 65.3        | 50.7                   | — | 80.0  | 5.0   |                        | μmol/L      | 64.6                   | 50.0  | —    | 79.3  | 5.0   |
|  | BS-330 <sup>8</sup>  | g/L    | 1.78        | 1.38                   | — | 2.18  | 0.13  | BS-2000 <sup>17</sup>  | g/L         | 1.78                   | 1.38  | —    | 2.18  | 0.13  |
|  |                      | μmol/L | 63.5        | 49.3                   | — | 77.8  | 4.6   |                        | μmol/L      | 63.5                   | 49.3  | —    | 77.8  | 4.6   |
|  | BS-330E <sup>9</sup> | g/L    | 2.06        | 1.60                   | — | 2.52  | 0.15  | BS-2800M <sup>18</sup> | g/L         | 1.81                   | 1.40  | —    | 2.22  | 0.14  |
|  |                      | μmol/L | 73.5        | 57.1                   | — | 90.0  | 5.4   |                        | μmol/L      | 64.6                   | 50.0  | —    | 79.3  | 5.0   |
| <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    | 0.776       | 0.601                  | — | 0.951 | 0.058 | BS-360E <sup>10</sup>  | g/L         | 0.818                  | 0.634 | —    | 1.002 | 0.061 |
|  |                      | μmol/L | 1.51        | 1.17                   | — | 1.85  | 0.11  |                        | μmol/L      | 1.60                   | 1.24  | —    | 1.95  | 0.12  |
|  | BS-180 <sup>2</sup>  | g/L    | 0.776       | 0.601                  | — | 0.951 | 0.058 | BS-380 <sup>11</sup>   | g/L         | 0.804                  | 0.623 | —    | 0.985 | 0.060 |
|  |                      | μmol/L | 1.51        | 1.17                   | — | 1.85  | 0.11  |                        | μmol/L      | 1.57                   | 1.21  | —    | 1.92  | 0.12  |
|  | BS-200 <sup>3</sup>  | g/L    | 0.791       | 0.613                  | — | 0.969 | 0.059 | BS-400 <sup>12</sup>   | g/L         | 0.795                  | 0.616 | —    | 0.974 | 0.060 |
|  |                      | μmol/L | 1.54        | 1.20                   | — | 1.89  | 0.12  |                        | μmol/L      | 1.55                   | 1.20  | —    | 1.90  | 0.12  |
|  | BS-200E <sup>4</sup> | g/L    | 0.788       | 0.611                  | — | 0.965 | 0.059 | BS-430 <sup>13</sup>   | g/L         | 0.814                  | 0.631 | —    | 0.997 | 0.061 |
|  |                      | μmol/L | 1.54        | 1.19                   | — | 1.88  | 0.12  |                        | μmol/L      | 1.59                   | 1.23  | —    | 1.94  | 0.12  |
|  | BS-230 <sup>5</sup>  | g/L    | 0.772       | 0.598                  | — | 0.946 | 0.058 | BS-480 <sup>14</sup>   | g/L         | 0.808                  | 0.626 | —    | 0.990 | 0.061 |
|  |                      | μmol/L | 1.51        | 1.17                   | — | 1.84  | 0.11  |                        | μmol/L      | 1.58                   | 1.22  | —    | 1.93  | 0.12  |
|  | BS-240E <sup>6</sup> | g/L    | 0.785       | 0.608                  | — | 0.962 | 0.059 | BS-600 <sup>15</sup>   | g/L         | 0.813                  | 0.630 | —    | 0.996 | 0.061 |
|  |                      | μmol/L | 1.53        | 1.19                   | — | 1.88  | 0.12  |                        | μmol/L      | 1.59                   | 1.23  | —    | 1.94  | 0.12  |
|  | BS-300 <sup>7</sup>  | g/L    | 0.763       | 0.591                  | — | 0.935 | 0.057 | BS-800 <sup>16</sup>   | g/L         | 0.790                  | 0.612 | —    | 0.968 | 0.059 |
|  |                      | μmol/L | 1.49        | 1.15                   | — | 1.82  | 0.11  |                        | μmol/L      | 1.54                   | 1.19  | —    | 1.89  | 0.12  |
|  | BS-330 <sup>8</sup>  | g/L    | 0.791       | 0.613                  | — | 0.969 | 0.059 | BS-2000 <sup>17</sup>  | g/L         | 0.772                  | 0.598 | —    | 0.946 | 0.058 |
|  |                      | μmol/L | 1.54        | 1.20                   | — | 1.89  | 0.12  |                        | μmol/L      | 1.51                   | 1.17  | —    | 1.84  | 0.11  |
|  | BS-330E <sup>9</sup> | g/L    | 0.788       | 0.611                  | — | 0.965 | 0.059 | BS-2800M <sup>18</sup> | g/L         | 0.794                  | 0.615 | —    | 0.973 | 0.060 |
|  |                      | μmol/L | 1.54        | 1.19                   | — | 1.88  | 0.12  |                        | μmol/L      | 1.55                   | 1.20  | —    | 1.90  | 0.12  |
| <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    | 0.813       | 0.630                  | — | 0.996 | 0.061 | BS-360E <sup>10</sup>  | g/L         | 0.810                  | 0.628 | —    | 0.992 | 0.061 |
|  |                      | μmol/L | 1.59        | 1.23                   | — | 1.94  | 0.12  |                        | μmol/L      | 1.58                   | 1.22  | —    | 1.93  | 0.12  |
|  | BS-180 <sup>2</sup>  | g/L    | 0.813       | 0.630                  | — | 0.996 | 0.061 | BS-380 <sup>11</sup>   | g/L         | 0.805                  | 0.624 | —    | 0.986 | 0.060 |
|  |                      | μmol/L | 1.59        | 1.23                   | — | 1.94  | 0.12  |                        | μmol/L      | 1.57                   | 1.22  | —    | 1.92  | 0.12  |
|  | BS-200 <sup>3</sup>  | g/L    | 0.819       | 0.635                  | — | 1.003 | 0.061 | BS-400 <sup>12</sup>   | g/L         | 0.808                  | 0.626 | —    | 0.990 | 0.061 |
|  |                      | μmol/L | 1.60        | 1.24                   | — | 1.96  | 0.12  |                        | μmol/L      | 1.58                   | 1.22  | —    | 1.93  | 0.12  |
|  | BS-200E <sup>4</sup> | g/L    | 0.841       | 0.652                  | — | 1.030 | 0.063 | BS-430 <sup>13</sup>   | g/L         | 0.827                  | 0.641 | —    | 1.013 | 0.062 |
|  |                      | μmol/L | 1.64        | 1.27                   | — | 2.01  | 0.12  |                        | μmol/L      | 1.61                   | 1.25  | —    | 1.98  | 0.12  |
|  | BS-230 <sup>5</sup>  | g/L    | 0.811       | 0.629                  | — | 0.993 | 0.061 | BS-480 <sup>14</sup>   | g/L         | 0.801                  | 0.621 | —    | 0.981 | 0.060 |
|  |                      | μmol/L | 1.58        | 1.23                   | — | 1.94  | 0.12  |                        | μmol/L      | 1.56                   | 1.21  | —    | 1.91  | 0.12  |
|  | BS-240E <sup>6</sup> | g/L    | 0.822       | 0.637                  | — | 1.007 | 0.062 | BS-600 <sup>15</sup>   | g/L         | 0.803                  | 0.622 | —    | 0.984 | 0.060 |
|  |                      | μmol/L | 1.60        | 1.24                   | — | 1.96  | 0.12  |                        | μmol/L      | 1.57                   | 1.21  | —    | 1.92  | 0.12  |
|  | BS-300 <sup>7</sup>  | g/L    | 0.828       | 0.642                  | — | 1.014 | 0.062 | BS-800 <sup>16</sup>   | g/L         | 0.811                  | 0.629 | —    | 0.993 | 0.061 |
|  |                      | μmol/L | 1.61        | 1.25                   | — | 1.98  | 0.12  |                        | μmol/L      | 1.58                   | 1.23  | —    | 1.94  | 0.12  |
|  | BS-330 <sup>8</sup>  | g/L    | 0.819       | 0.635                  | — | 1.003 | 0.061 | BS-2000 <sup>17</sup>  | g/L         | 0.818                  | 0.634 | —    | 1.002 | 0.061 |
|  |                      | μmol/L | 1.60        | 1.24                   | — | 1.96  | 0.12  |                        | μmol/L      | 1.60                   | 1.24  | —    | 1.95  | 0.12  |
|  | BS-330E <sup>9</sup> | g/L    | 0.841       | 0.652                  | — | 1.030 | 0.063 | BS-2800M <sup>18</sup> | g/L         | 0.843                  | 0.653 | —    | 1.033 | 0.063 |
|  |                      | μmol/L | 1.64        | 1.27                   | — | 2.01  | 0.12  |                        | μmol/L      | 1.64                   | 1.27  | —    | 2.01  | 0.12  |

| Abbreviated name | Model                       | Unit   | Assay Value | Range(Assay Value±3SD) |   | 1 SD  | Model | Unit                          | Assay Value | Range(Assay Value±3SD) |       | 1 SD |       |       |
|------------------|-----------------------------|--------|-------------|------------------------|---|-------|-------|-------------------------------|-------------|------------------------|-------|------|-------|-------|
| <b>C3</b>        | <b>BS-120</b> <sup>1</sup>  | g/L    | 1.49        | 1.19                   | — | 1.79  | 0.10  | <b>BS-360E</b> <sup>10</sup>  | g/L         | 1.53                   | 1.22  | —    | 1.84  | 0.10  |
|                  | <b>BS-180</b> <sup>2</sup>  | g/L    | 1.49        | 1.19                   | — | 1.79  | 0.10  | <b>BS-380</b> <sup>11</sup>   | g/L         | 1.54                   | 1.23  | —    | 1.85  | 0.10  |
|                  | <b>BS-200</b> <sup>3</sup>  | g/L    | 1.46        | 1.16                   | — | 1.76  | 0.10  | <b>BS-400</b> <sup>12</sup>   | g/L         | 1.54                   | 1.23  | —    | 1.85  | 0.10  |
|                  | <b>BS-200E</b> <sup>4</sup> | g/L    | 1.61        | 1.28                   | — | 1.94  | 0.11  | <b>BS-430</b> <sup>13</sup>   | g/L         | 1.53                   | 1.22  | —    | 1.84  | 0.10  |
|                  | <b>BS-230</b> <sup>5</sup>  | g/L    | 1.48        | 1.18                   | — | 1.78  | 0.10  | <b>BS-480</b> <sup>14</sup>   | g/L         | 1.48                   | 1.18  | —    | 1.78  | 0.10  |
|                  | <b>BS-240E</b> <sup>6</sup> | g/L    | 1.64        | 1.31                   | — | 1.97  | 0.11  | <b>BS-600</b> <sup>15</sup>   | g/L         | 1.50                   | 1.20  | —    | 1.80  | 0.10  |
|                  | <b>BS-300</b> <sup>7</sup>  | g/L    | 1.55        | 1.24                   | — | 1.86  | 0.10  | <b>BS-800</b> <sup>16</sup>   | g/L         | 1.51                   | 1.20  | —    | 1.82  | 0.10  |
|                  | <b>BS-330</b> <sup>8</sup>  | g/L    | 1.46        | 1.16                   | — | 1.76  | 0.10  | <b>BS-2000</b> <sup>17</sup>  | g/L         | 1.53                   | 1.22  | —    | 1.84  | 0.10  |
|                  | <b>BS-330E</b> <sup>9</sup> | g/L    | 1.61        | 1.28                   | — | 1.94  | 0.11  | <b>BS-2800M</b> <sup>18</sup> | g/L         | 1.48                   | 1.18  | —    | 1.78  | 0.10  |
| <b>C4</b>        | <b>BS-120</b> <sup>1</sup>  | g/L    | 0.242       | 0.193                  | — | 0.291 | 0.016 | <b>BS-360E</b> <sup>10</sup>  | g/L         | 0.253                  | 0.202 | —    | 0.304 | 0.017 |
|                  |                             | μmol/L | 1.21        | 0.97                   | — | 1.46  | 0.08  |                               | μmol/L      | 1.27                   | 1.01  | —    | 1.52  | 0.09  |
|                  | <b>BS-180</b> <sup>2</sup>  | g/L    | 0.242       | 0.193                  | — | 0.291 | 0.016 | <b>BS-380</b> <sup>11</sup>   | g/L         | 0.248                  | 0.198 | —    | 0.298 | 0.017 |
|                  |                             | μmol/L | 1.21        | 0.97                   | — | 1.46  | 0.08  |                               | μmol/L      | 1.24                   | 0.99  | —    | 1.49  | 0.09  |
|                  | <b>BS-200</b> <sup>3</sup>  | g/L    | 0.238       | 0.190                  | — | 0.286 | 0.016 | <b>BS-400</b> <sup>12</sup>   | g/L         | 0.247                  | 0.197 | —    | 0.297 | 0.017 |
|                  |                             | μmol/L | 1.19        | 0.95                   | — | 1.43  | 0.08  |                               | μmol/L      | 1.24                   | 0.99  | —    | 1.49  | 0.09  |
|                  | <b>BS-200E</b> <sup>4</sup> | g/L    | 0.252       | 0.201                  | — | 0.303 | 0.017 | <b>BS-430</b> <sup>13</sup>   | g/L         | 0.256                  | 0.204 | —    | 0.308 | 0.017 |
|                  |                             | μmol/L | 1.26        | 1.01                   | — | 1.52  | 0.09  |                               | μmol/L      | 1.28                   | 1.02  | —    | 1.54  | 0.09  |
|                  | <b>BS-230</b> <sup>5</sup>  | g/L    | 0.229       | 0.183                  | — | 0.275 | 0.015 | <b>BS-480</b> <sup>14</sup>   | g/L         | 0.246                  | 0.196 | —    | 0.296 | 0.017 |
|                  |                             | μmol/L | 1.15        | 0.92                   | — | 1.38  | 0.08  |                               | μmol/L      | 1.23                   | 0.98  | —    | 1.48  | 0.09  |
|                  | <b>BS-240E</b> <sup>6</sup> | g/L    | 0.254       | 0.203                  | — | 0.305 | 0.017 | <b>BS-600</b> <sup>15</sup>   | g/L         | 0.245                  | 0.195 | —    | 0.295 | 0.017 |
|                  |                             | μmol/L | 1.27        | 1.02                   | — | 1.53  | 0.09  |                               | μmol/L      | 1.23                   | 0.98  | —    | 1.48  | 0.09  |
|                  | <b>BS-300</b> <sup>7</sup>  | g/L    | 0.249       | 0.199                  | — | 0.299 | 0.017 | <b>BS-800</b> <sup>16</sup>   | g/L         | 0.249                  | 0.199 | —    | 0.299 | 0.017 |
|                  |                             | μmol/L | 1.25        | 1.00                   | — | 1.50  | 0.09  |                               | μmol/L      | 1.25                   | 1.00  | —    | 1.50  | 0.09  |
|                  | <b>BS-330</b> <sup>8</sup>  | g/L    | 0.238       | 0.190                  | — | 0.286 | 0.016 | <b>BS-2000</b> <sup>17</sup>  | g/L         | 0.241                  | 0.192 | —    | 0.290 | 0.016 |
|                  |                             | μmol/L | 1.19        | 0.95                   | — | 1.43  | 0.08  |                               | μmol/L      | 1.21                   | 0.96  | —    | 1.45  | 0.08  |
|                  | <b>BS-330E</b> <sup>9</sup> | g/L    | 0.252       | 0.201                  | — | 0.303 | 0.017 | <b>BS-2800M</b> <sup>18</sup> | g/L         | 0.247                  | 0.197 | —    | 0.297 | 0.017 |
|                  |                             | μmol/L | 1.26        | 1.01                   | — | 1.52  | 0.09  |                               | μmol/L      | 1.24                   | 0.99  | —    | 1.49  | 0.09  |
| <b>CRP II</b>    | <b>BS-120</b> <sup>1</sup>  | mg/L   | 56.6        | 39.6                   | — | 73.6  | 5.7   | <b>BS-360E</b> <sup>10</sup>  | mg/L        | 55.7                   | 39.0  | —    | 72.4  | 5.6   |
|                  |                             | nmol/L | 539         | 377                    | — | 701   | 54    |                               | nmol/L      | 530                    | 371   | —    | 689   | 53    |
|                  | <b>BS-180</b> <sup>2</sup>  | mg/L   | 56.6        | 39.6                   | — | 73.6  | 5.7   | <b>BS-380</b> <sup>11</sup>   | mg/L        | 56.7                   | 39.7  | —    | 73.7  | 5.7   |
|                  |                             | nmol/L | 539         | 377                    | — | 701   | 54    |                               | nmol/L      | 540                    | 378   | —    | 702   | 54    |
|                  | <b>BS-200</b> <sup>3</sup>  | mg/L   | 56.1        | 39.3                   | — | 72.9  | 5.6   | <b>BS-400</b> <sup>12</sup>   | mg/L        | 55.2                   | 38.6  | —    | 71.8  | 5.5   |
|                  |                             | nmol/L | 534         | 374                    | — | 694   | 53    |                               | nmol/L      | 526                    | 367   | —    | 684   | 52    |
|                  | <b>BS-200E</b> <sup>4</sup> | mg/L   | 58.3        | 40.8                   | — | 75.8  | 5.8   | <b>BS-430</b> <sup>13</sup>   | mg/L        | 55.7                   | 39.0  | —    | 72.4  | 5.6   |
|                  |                             | nmol/L | 555         | 388                    | — | 722   | 55    |                               | nmol/L      | 530                    | 371   | —    | 689   | 53    |
|                  | <b>BS-230</b> <sup>5</sup>  | mg/L   | 55.9        | 39.1                   | — | 72.7  | 5.6   | <b>BS-480</b> <sup>14</sup>   | mg/L        | 55.7                   | 39.0  | —    | 72.4  | 5.6   |
|                  |                             | nmol/L | 532         | 372                    | — | 692   | 53    |                               | nmol/L      | 530                    | 371   | —    | 689   | 53    |
|                  | <b>BS-240E</b> <sup>6</sup> | mg/L   | 55.7        | 39.0                   | — | 72.4  | 5.6   | <b>BS-600</b> <sup>15</sup>   | mg/L        | 55.7                   | 39.0  | —    | 72.4  | 5.6   |
|                  |                             | nmol/L | 530         | 371                    | — | 689   | 53    |                               | nmol/L      | 530                    | 371   | —    | 689   | 53    |
|                  | <b>BS-300</b> <sup>7</sup>  | mg/L   | 56.3        | 39.4                   | — | 73.2  | 5.6   | <b>BS-800</b> <sup>16</sup>   | mg/L        | 55.6                   | 38.9  | —    | 72.3  | 5.6   |
|                  |                             | nmol/L | 536         | 375                    | — | 697   | 53    |                               | nmol/L      | 529                    | 370   | —    | 688   | 53    |
|                  | <b>BS-330</b> <sup>8</sup>  | mg/L   | 56.1        | 39.3                   | — | 72.9  | 5.6   | <b>BS-2000</b> <sup>17</sup>  | mg/L        | 56.3                   | 39.4  | —    | 73.2  | 5.6   |
|                  |                             | nmol/L | 534         | 374                    | — | 694   | 53    |                               | nmol/L      | 536                    | 375   | —    | 697   | 53    |
|                  | <b>BS-330E</b> <sup>9</sup> | mg/L   | 58.3        | 40.8                   | — | 75.8  | 5.8   | <b>BS-2800M</b> <sup>18</sup> | mg/L        | /                      | /     | —    | /     | /     |
|                  |                             | nmol/L | 555         | 388                    | — | 722   | 55    |                               | nmol/L      | /                      | /     | —    | /     | /     |

| Abbreviated name            | Model                        | Unit                       | Assay Value | Range(Assay Value±3SD) |      | 1 SD | Model | Unit                          | Assay Value                  | Range(Assay Value±3SD) |      | 1 SD |      |      |     |
|-----------------------------|------------------------------|----------------------------|-------------|------------------------|------|------|-------|-------------------------------|------------------------------|------------------------|------|------|------|------|-----|
| <b>IgA II</b>               | <b>BS-200</b> <sup>3</sup>   | g/L                        | 2.50        | 1.94                   | —    | 3.06 | 0.19  | <b>BS-400</b> <sup>12</sup>   | g/L                          | 2.44                   | 1.89 | —    | 2.99 | 0.18 |     |
|                             |                              | μmol/L                     | 15.6        | 12.1                   | —    | 19.1 | 1.2   |                               | μmol/L                       | 15.3                   | 11.8 | —    | 18.7 | 1.1  |     |
|                             | <b>BS-200E</b> <sup>4</sup>  | g/L                        | 2.60        | 2.02                   | —    | 3.19 | 0.20  | <b>BS-430</b> <sup>13</sup>   | g/L                          | 2.51                   | 1.95 | —    | 3.07 | 0.19 |     |
|                             |                              | μmol/L                     | 16.3        | 12.6                   | —    | 19.9 | 1.3   |                               | μmol/L                       | 15.7                   | 12.2 | —    | 19.2 | 1.2  |     |
|                             | <b>BS-230</b> <sup>5</sup>   | g/L                        | 2.49        | 1.93                   | —    | 3.05 | 0.19  | <b>BS-480</b> <sup>14</sup>   | g/L                          | 2.41                   | 1.87 | —    | 2.95 | 0.18 |     |
|                             |                              | μmol/L                     | 15.6        | 12.1                   | —    | 19.1 | 1.2   |                               | μmol/L                       | 15.1                   | 11.7 | —    | 18.4 | 1.1  |     |
|                             | <b>BS-240E</b> <sup>6</sup>  | g/L                        | 2.53        | 1.96                   | —    | 3.10 | 0.19  | <b>BS-600</b> <sup>15</sup>   | g/L                          | 2.43                   | 1.88 | —    | 2.98 | 0.18 |     |
|                             |                              | μmol/L                     | 15.8        | 12.3                   | —    | 19.4 | 1.2   |                               | μmol/L                       | 15.2                   | 11.8 | —    | 18.6 | 1.1  |     |
|                             | <b>BS-330</b> <sup>8</sup>   | g/L                        | 2.50        | 1.94                   | —    | 3.06 | 0.19  | <b>BS-800</b> <sup>16</sup>   | g/L                          | 2.46                   | 1.91 | —    | 3.01 | 0.18 |     |
|                             |                              | μmol/L                     | 15.6        | 12.1                   | —    | 19.1 | 1.2   |                               | μmol/L                       | 15.4                   | 11.9 | —    | 18.8 | 1.1  |     |
|                             | <b>BS-330E</b> <sup>9</sup>  | g/L                        | 2.60        | 2.02                   | —    | 3.19 | 0.20  | <b>BS-2000</b> <sup>17</sup>  | g/L                          | 2.50                   | 1.94 | —    | 3.06 | 0.19 |     |
|                             |                              | μmol/L                     | 16.3        | 12.6                   | —    | 19.9 | 1.3   |                               | μmol/L                       | 15.6                   | 12.1 | —    | 19.1 | 1.2  |     |
|                             | <b>BS-360E</b> <sup>10</sup> | g/L                        | 2.53        | 1.96                   | —    | 3.10 | 0.19  | <b>BS-2800M</b> <sup>18</sup> | g/L                          | 2.43                   | 1.88 | —    | 2.98 | 0.18 |     |
|                             |                              | μmol/L                     | 15.8        | 12.3                   | —    | 19.4 | 1.2   |                               | μmol/L                       | 15.2                   | 11.8 | —    | 18.6 | 1.1  |     |
|                             | <b>BS-380</b> <sup>11</sup>  | g/L                        | 2.42        | 1.88                   | —    | 2.96 | 0.18  |                               |                              |                        |      |      |      |      |     |
|                             |                              | μmol/L                     | 15.1        | 11.8                   | —    | 18.5 | 1.1   |                               |                              |                        |      |      |      |      |     |
|                             | <b>IgG</b>                   | <b>BS-120</b> <sup>1</sup> | g/L         | 12.1                   | 9.4  | —    | 14.8  | 0.9                           | <b>BS-360E</b> <sup>10</sup> | g/L                    | 12.0 | 9.3  | —    | 14.7 | 0.9 |
|                             |                              |                            | μmol/L      | 80.7                   | 62.7 | —    | 98.7  | 6.0                           |                              | μmol/L                 | 80.0 | 62.0 | —    | 98.0 | 6.0 |
| <b>BS-180</b> <sup>2</sup>  |                              | g/L                        | 12.1        | 9.4                    | —    | 14.8 | 0.9   | <b>BS-380</b> <sup>11</sup>   | g/L                          | 11.7                   | 9.1  | —    | 14.3 | 0.9  |     |
|                             |                              | μmol/L                     | 80.7        | 62.7                   | —    | 98.7 | 6.0   |                               | μmol/L                       | 78.0                   | 60.7 | —    | 95.4 | 6.0  |     |
| <b>BS-200</b> <sup>3</sup>  |                              | g/L                        | 12.0        | 9.3                    | —    | 14.7 | 0.9   | <b>BS-400</b> <sup>12</sup>   | g/L                          | 11.7                   | 9.1  | —    | 14.3 | 0.9  |     |
|                             |                              | μmol/L                     | 80.0        | 62.0                   | —    | 98.0 | 6.0   |                               | μmol/L                       | 78.0                   | 60.7 | —    | 95.4 | 6.0  |     |
| <b>BS-200E</b> <sup>4</sup> |                              | g/L                        | 11.7        | 9.1                    | —    | 14.3 | 0.9   | <b>BS-430</b> <sup>13</sup>   | g/L                          | 11.8                   | 9.1  | —    | 14.5 | 0.9  |     |
|                             |                              | μmol/L                     | 78.0        | 60.7                   | —    | 95.4 | 6.0   |                               | μmol/L                       | 78.7                   | 60.7 | —    | 96.7 | 6.0  |     |
| <b>BS-230</b> <sup>5</sup>  |                              | g/L                        | 11.4        | 8.8                    | —    | 14.0 | 0.9   | <b>BS-480</b> <sup>14</sup>   | g/L                          | 11.7                   | 9.1  | —    | 14.3 | 0.9  |     |
|                             |                              | μmol/L                     | 76.0        | 58.7                   | —    | 93.4 | 6.0   |                               | μmol/L                       | 78.0                   | 60.7 | —    | 95.4 | 6.0  |     |
| <b>BS-240E</b> <sup>6</sup> |                              | g/L                        | 11.8        | 9.1                    | —    | 14.5 | 0.9   | <b>BS-600</b> <sup>15</sup>   | g/L                          | 11.8                   | 9.1  | —    | 14.5 | 0.9  |     |
|                             |                              | μmol/L                     | 78.7        | 60.7                   | —    | 96.7 | 6.0   |                               | μmol/L                       | 78.7                   | 60.7 | —    | 96.7 | 6.0  |     |
| <b>BS-300</b> <sup>7</sup>  |                              | g/L                        | 11.7        | 9.1                    | —    | 14.3 | 0.9   | <b>BS-800</b> <sup>16</sup>   | g/L                          | 11.8                   | 9.1  | —    | 14.5 | 0.9  |     |
|                             |                              | μmol/L                     | 78.0        | 60.7                   | —    | 95.4 | 6.0   |                               | μmol/L                       | 78.7                   | 60.7 | —    | 96.7 | 6.0  |     |
| <b>BS-330</b> <sup>8</sup>  |                              | g/L                        | 12.0        | 9.3                    | —    | 14.7 | 0.9   | <b>BS-2000</b> <sup>17</sup>  | g/L                          | 11.6                   | 9.0  | —    | 14.2 | 0.9  |     |
|                             |                              | μmol/L                     | 80.0        | 62.0                   | —    | 98.0 | 6.0   |                               | μmol/L                       | 77.4                   | 60.0 | —    | 94.7 | 6.0  |     |
| <b>BS-330E</b> <sup>9</sup> |                              | g/L                        | 11.7        | 9.1                    | —    | 14.3 | 0.9   | <b>BS-2800M</b> <sup>18</sup> | g/L                          | 11.8                   | 9.1  | —    | 14.5 | 0.9  |     |
|                             |                              | μmol/L                     | 78.0        | 60.7                   | —    | 95.4 | 6.0   |                               | μmol/L                       | 78.7                   | 60.7 | —    | 96.7 | 6.0  |     |
| <b>IgM</b>                  | <b>BS-120</b> <sup>1</sup>   | g/L                        | 1.07        | 0.83                   | —    | 1.31 | 0.08  | <b>BS-360E</b> <sup>10</sup>  | g/L                          | 1.08                   | 0.84 | —    | 1.32 | 0.08 |     |
|                             |                              | μmol/L                     | 1.10        | 0.85                   | —    | 1.35 | 0.08  |                               | μmol/L                       | 1.11                   | 0.87 | —    | 1.36 | 0.08 |     |
|                             | <b>BS-180</b> <sup>2</sup>   | g/L                        | 1.07        | 0.83                   | —    | 1.31 | 0.08  | <b>BS-380</b> <sup>11</sup>   | g/L                          | 1.03                   | 0.80 | —    | 1.26 | 0.08 |     |
|                             |                              | μmol/L                     | 1.10        | 0.85                   | —    | 1.35 | 0.08  |                               | μmol/L                       | 1.06                   | 0.82 | —    | 1.30 | 0.08 |     |
|                             | <b>BS-200</b> <sup>3</sup>   | g/L                        | 1.04        | 0.81                   | —    | 1.27 | 0.08  | <b>BS-400</b> <sup>12</sup>   | g/L                          | 1.01                   | 0.78 | —    | 1.24 | 0.08 |     |
|                             |                              | μmol/L                     | 1.07        | 0.83                   | —    | 1.31 | 0.08  |                               | μmol/L                       | 1.04                   | 0.80 | —    | 1.28 | 0.08 |     |
|                             | <b>BS-200E</b> <sup>4</sup>  | g/L                        | 1.07        | 0.83                   | —    | 1.31 | 0.08  | <b>BS-430</b> <sup>13</sup>   | g/L                          | 1.04                   | 0.81 | —    | 1.27 | 0.08 |     |
|                             |                              | μmol/L                     | 1.10        | 0.85                   | —    | 1.35 | 0.08  |                               | μmol/L                       | 1.07                   | 0.83 | —    | 1.31 | 0.08 |     |
|                             | <b>BS-230</b> <sup>5</sup>   | g/L                        | 1.06        | 0.82                   | —    | 1.30 | 0.08  | <b>BS-480</b> <sup>14</sup>   | g/L                          | 1.05                   | 0.81 | —    | 1.29 | 0.08 |     |
|                             |                              | μmol/L                     | 1.09        | 0.84                   | —    | 1.34 | 0.08  |                               | μmol/L                       | 1.08                   | 0.83 | —    | 1.33 | 0.08 |     |
|                             | <b>BS-240E</b> <sup>6</sup>  | g/L                        | 1.06        | 0.82                   | —    | 1.30 | 0.08  | <b>BS-600</b> <sup>15</sup>   | g/L                          | 1.08                   | 0.84 | —    | 1.32 | 0.08 |     |
|                             |                              | μmol/L                     | 1.09        | 0.84                   | —    | 1.34 | 0.08  |                               | μmol/L                       | 1.11                   | 0.87 | —    | 1.36 | 0.08 |     |
|                             | <b>BS-300</b> <sup>7</sup>   | g/L                        | 1.07        | 0.83                   | —    | 1.31 | 0.08  | <b>BS-800</b> <sup>16</sup>   | g/L                          | 1.04                   | 0.81 | —    | 1.27 | 0.08 |     |
|                             |                              | μmol/L                     | 1.10        | 0.85                   | —    | 1.35 | 0.08  |                               | μmol/L                       | 1.07                   | 0.83 | —    | 1.31 | 0.08 |     |
|                             | <b>BS-330</b> <sup>8</sup>   | g/L                        | 1.04        | 0.81                   | —    | 1.27 | 0.08  | <b>BS-2000</b> <sup>17</sup>  | g/L                          | 1.04                   | 0.81 | —    | 1.27 | 0.08 |     |
|                             |                              | μmol/L                     | 1.07        | 0.83                   | —    | 1.31 | 0.08  |                               | μmol/L                       | 1.07                   | 0.83 | —    | 1.31 | 0.08 |     |
|                             | <b>BS-330E</b> <sup>9</sup>  | g/L                        | 1.07        | 0.83                   | —    | 1.31 | 0.08  | <b>BS-2800M</b> <sup>18</sup> | g/L                          | 1.08                   | 0.84 | —    | 1.32 | 0.08 |     |
|                             |                              | μmol/L                     | 1.10        | 0.85                   | —    | 1.35 | 0.08  |                               | μmol/L                       | 1.11                   | 0.87 | —    | 1.36 | 0.08 |     |

| Abbreviated name | Model                       | Unit   | Assay Value | Range(Assay Value±3SD) |   | 1 SD | Model | Unit                          | Assay Value | Range(Assay Value±3SD) |      | 1 SD |      |      |
|------------------|-----------------------------|--------|-------------|------------------------|---|------|-------|-------------------------------|-------------|------------------------|------|------|------|------|
| <b>PA</b>        | <b>BS-120</b> <sup>1</sup>  | mg/L   | 225         | 174                    | — | 276  | 17    | <b>BS-360E</b> <sup>10</sup>  | mg/L        | 217                    | 168  | —    | 266  | 16   |
|                  |                             | μmol/L | 4.10        | 3.17                   | — | 5.02 | 0.31  |                               | μmol/L      | 3.95                   | 3.06 | —    | 4.84 | 0.29 |
|                  | <b>BS-180</b> <sup>2</sup>  | mg/L   | 225         | 174                    | — | 276  | 17    | <b>BS-380</b> <sup>11</sup>   | mg/L        | 219                    | 170  | —    | 268  | 16   |
|                  |                             | μmol/L | 4.10        | 3.17                   | — | 5.02 | 0.31  |                               | μmol/L      | 3.99                   | 3.09 | —    | 4.88 | 0.29 |
|                  | <b>BS-200</b> <sup>3</sup>  | mg/L   | 216         | 167                    | — | 265  | 16    | <b>BS-400</b> <sup>12</sup>   | mg/L        | 217                    | 168  | —    | 266  | 16   |
|                  |                             | μmol/L | 3.93        | 3.04                   | — | 4.82 | 0.29  |                               | μmol/L      | 3.95                   | 3.06 | —    | 4.84 | 0.29 |
|                  | <b>BS-200E</b> <sup>4</sup> | mg/L   | 220         | 171                    | — | 270  | 17    | <b>BS-430</b> <sup>13</sup>   | mg/L        | 225                    | 174  | —    | 276  | 17   |
|                  |                             | μmol/L | 4.00        | 3.11                   | — | 4.91 | 0.31  |                               | μmol/L      | 4.10                   | 3.17 | —    | 5.02 | 0.31 |
|                  | <b>BS-230</b> <sup>5</sup>  | mg/L   | 222         | 172                    | — | 272  | 17    | <b>BS-480</b> <sup>14</sup>   | mg/L        | 217                    | 168  | —    | 266  | 16   |
|                  |                             | μmol/L | 4.04        | 3.13                   | — | 4.95 | 0.31  |                               | μmol/L      | 3.95                   | 3.06 | —    | 4.84 | 0.29 |
|                  | <b>BS-240E</b> <sup>6</sup> | mg/L   | 221         | 171                    | — | 271  | 17    | <b>BS-600</b> <sup>15</sup>   | mg/L        | 219                    | 170  | —    | 268  | 16   |
|                  |                             | μmol/L | 4.02        | 3.11                   | — | 4.93 | 0.31  |                               | μmol/L      | 3.99                   | 3.09 | —    | 4.88 | 0.29 |
|                  | <b>BS-300</b> <sup>7</sup>  | mg/L   | 219         | 170                    | — | 268  | 16    | <b>BS-800</b> <sup>16</sup>   | mg/L        | 217                    | 168  | —    | 266  | 16   |
|                  |                             | μmol/L | 3.99        | 3.09                   | — | 4.88 | 0.29  |                               | μmol/L      | 3.95                   | 3.06 | —    | 4.84 | 0.29 |
|                  | <b>BS-330</b> <sup>8</sup>  | mg/L   | 216         | 167                    | — | 265  | 16    | <b>BS-2000</b> <sup>17</sup>  | mg/L        | 218                    | 169  | —    | 267  | 16   |
|                  |                             | μmol/L | 3.93        | 3.04                   | — | 4.82 | 0.29  |                               | μmol/L      | 3.97                   | 3.08 | —    | 4.86 | 0.29 |
|                  | <b>BS-330E</b> <sup>9</sup> | mg/L   | 220         | 171                    | — | 270  | 17    | <b>BS-2800M</b> <sup>18</sup> | mg/L        | 220                    | 171  | —    | 270  | 17   |
|                  |                             | μmol/L | 4.00        | 3.11                   | — | 4.91 | 0.31  |                               | μmol/L      | 4.00                   | 3.11 | —    | 4.91 | 0.31 |
| <b>LDH</b>       | <b>BS-120</b> <sup>1</sup>  | U/L    | 292         | 248                    | — | 336  | 15    | <b>BS-360E</b> <sup>10</sup>  | U/L         | 300                    | 255  | —    | 345  | 15   |
|                  |                             | μkat/L | 4.88        | 4.14                   | — | 5.61 | 0.25  |                               | μkat/L      | 5.01                   | 4.26 | —    | 5.76 | 0.25 |
|                  | <b>BS-180</b> <sup>2</sup>  | U/L    | 292         | 248                    | — | 336  | 15    | <b>BS-380</b> <sup>11</sup>   | U/L         | 299                    | 254  | —    | 344  | 15   |
|                  |                             | μkat/L | 4.88        | 4.14                   | — | 5.61 | 0.25  |                               | μkat/L      | 4.99                   | 4.24 | —    | 5.74 | 0.25 |
|                  | <b>BS-200</b> <sup>3</sup>  | U/L    | 293         | 249                    | — | 337  | 15    | <b>BS-400</b> <sup>12</sup>   | U/L         | 300                    | 255  | —    | 345  | 15   |
|                  |                             | μkat/L | 4.89        | 4.16                   | — | 5.63 | 0.25  |                               | μkat/L      | 5.01                   | 4.26 | —    | 5.76 | 0.25 |
|                  | <b>BS-200E</b> <sup>4</sup> | U/L    | 293         | 249                    | — | 337  | 15    | <b>BS-430</b> <sup>13</sup>   | U/L         | 297                    | 252  | —    | 342  | 15   |
|                  |                             | μkat/L | 4.89        | 4.16                   | — | 5.63 | 0.25  |                               | μkat/L      | 4.96                   | 4.21 | —    | 5.71 | 0.25 |
|                  | <b>BS-230</b> <sup>5</sup>  | U/L    | 303         | 258                    | — | 348  | 15    | <b>BS-480</b> <sup>14</sup>   | U/L         | 297                    | 252  | —    | 342  | 15   |
|                  |                             | μkat/L | 5.06        | 4.31                   | — | 5.81 | 0.25  |                               | μkat/L      | 4.96                   | 4.21 | —    | 5.71 | 0.25 |
|                  | <b>BS-240E</b> <sup>6</sup> | U/L    | 296         | 252                    | — | 340  | 15    | <b>BS-600</b> <sup>15</sup>   | U/L         | 300                    | 255  | —    | 345  | 15   |
|                  |                             | μkat/L | 4.94        | 4.21                   | — | 5.68 | 0.25  |                               | μkat/L      | 5.01                   | 4.26 | —    | 5.76 | 0.25 |
|                  | <b>BS-300</b> <sup>7</sup>  | U/L    | 300         | 255                    | — | 345  | 15    | <b>BS-800</b> <sup>16</sup>   | U/L         | 298                    | 253  | —    | 343  | 15   |
|                  |                             | μkat/L | 5.01        | 4.26                   | — | 5.76 | 0.25  |                               | μkat/L      | 4.98                   | 4.23 | —    | 5.73 | 0.25 |
|                  | <b>BS-330</b> <sup>8</sup>  | U/L    | 293         | 249                    | — | 337  | 15    | <b>BS-2000</b> <sup>17</sup>  | U/L         | 299                    | 254  | —    | 344  | 15   |
|                  |                             | μkat/L | 4.89        | 4.16                   | — | 5.63 | 0.25  |                               | μkat/L      | 4.99                   | 4.24 | —    | 5.74 | 0.25 |
|                  | <b>BS-330E</b> <sup>9</sup> | U/L    | 293         | 249                    | — | 337  | 15    | <b>BS-2800M</b> <sup>18</sup> | U/L         | 299                    | 254  | —    | 344  | 15   |
|                  |                             | μkat/L | 4.89        | 4.16                   | — | 5.63 | 0.25  |                               | μkat/L      | 4.99                   | 4.24 | —    | 5.74 | 0.25 |
| <b>Mg II</b>     | <b>BS-120</b> <sup>1</sup>  | mmol/L | 1.40        | 1.23                   | — | 1.57 | 0.06  | <b>BS-360E</b> <sup>10</sup>  | mmol/L      | 1.41                   | 1.24 | —    | 1.58 | 0.06 |
|                  |                             | mg/dL  | 3.40        | 2.99                   | — | 3.82 | 0.15  |                               | mg/dL       | 3.43                   | 3.01 | —    | 3.84 | 0.15 |
|                  | <b>BS-180</b> <sup>2</sup>  | mmol/L | 1.40        | 1.23                   | — | 1.57 | 0.06  | <b>BS-380</b> <sup>11</sup>   | mmol/L      | 1.43                   | 1.26 | —    | 1.60 | 0.06 |
|                  |                             | mg/dL  | 3.40        | 2.99                   | — | 3.82 | 0.15  |                               | mg/dL       | 3.47                   | 3.06 | —    | 3.89 | 0.15 |
|                  | <b>BS-200</b> <sup>3</sup>  | mmol/L | 1.41        | 1.24                   | — | 1.58 | 0.06  | <b>BS-400</b> <sup>12</sup>   | mmol/L      | 1.43                   | 1.26 | —    | 1.60 | 0.06 |
|                  |                             | mg/dL  | 3.43        | 3.01                   | — | 3.84 | 0.15  |                               | mg/dL       | 3.47                   | 3.06 | —    | 3.89 | 0.15 |
|                  | <b>BS-200E</b> <sup>4</sup> | mmol/L | 1.43        | 1.26                   | — | 1.60 | 0.06  | <b>BS-430</b> <sup>13</sup>   | mmol/L      | 1.40                   | 1.23 | —    | 1.57 | 0.06 |
|                  |                             | mg/dL  | 3.47        | 3.06                   | — | 3.89 | 0.15  |                               | mg/dL       | 3.40                   | 2.99 | —    | 3.82 | 0.15 |
|                  | <b>BS-230</b> <sup>5</sup>  | mmol/L | 1.44        | 1.27                   | — | 1.61 | 0.06  | <b>BS-480</b> <sup>14</sup>   | mmol/L      | 1.39                   | 1.22 | —    | 1.56 | 0.06 |
|                  |                             | mg/dL  | 3.50        | 3.09                   | — | 3.91 | 0.15  |                               | mg/dL       | 3.38                   | 2.96 | —    | 3.79 | 0.15 |
|                  | <b>BS-240E</b> <sup>6</sup> | mmol/L | 1.39        | 1.22                   | — | 1.56 | 0.06  | <b>BS-600</b> <sup>15</sup>   | mmol/L      | 1.39                   | 1.22 | —    | 1.56 | 0.06 |
|                  |                             | mg/dL  | 3.38        | 2.96                   | — | 3.79 | 0.15  |                               | mg/dL       | 3.38                   | 2.96 | —    | 3.79 | 0.15 |
|                  | <b>BS-300</b> <sup>7</sup>  | mmol/L | 1.43        | 1.26                   | — | 1.60 | 0.06  | <b>BS-800</b> <sup>16</sup>   | mmol/L      | 1.40                   | 1.23 | —    | 1.57 | 0.06 |
|                  |                             | mg/dL  | 3.47        | 3.06                   | — | 3.89 | 0.15  |                               | mg/dL       | 3.40                   | 2.99 | —    | 3.82 | 0.15 |
|                  | <b>BS-330</b> <sup>8</sup>  | mmol/L | 1.41        | 1.24                   | — | 1.58 | 0.06  | <b>BS-2000</b> <sup>17</sup>  | mmol/L      | 1.40                   | 1.23 | —    | 1.57 | 0.06 |
|                  |                             | mg/dL  | 3.43        | 3.01                   | — | 3.84 | 0.15  |                               | mg/dL       | 3.40                   | 2.99 | —    | 3.82 | 0.15 |
|                  | <b>BS-330E</b> <sup>9</sup> | mmol/L | 1.43        | 1.26                   | — | 1.60 | 0.06  | <b>BS-2800M</b> <sup>18</sup> | mmol/L      | 1.42                   | 1.25 | —    | 1.59 | 0.06 |
|                  |                             | mg/dL  | 3.47        | 3.06                   | — | 3.89 | 0.15  |                               | mg/dL       | 3.45                   | 3.04 | —    | 3.86 | 0.15 |

| Abbreviated name | Model                       | Unit   | Assay Value | Range(Assay Value±3SD) |   | 1 SD | Model | Unit                          | Assay Value | Range(Assay Value±3SD) |      | 1 SD |      |      |
|------------------|-----------------------------|--------|-------------|------------------------|---|------|-------|-------------------------------|-------------|------------------------|------|------|------|------|
| <b>P</b>         | <b>BS-120</b> <sup>1</sup>  | mmol/L | 2.48        | 2.11                   | — | 2.85 | 0.12  | <b>BS-360E</b> <sup>10</sup>  | mmol/L      | 2.47                   | 2.10 | —    | 2.84 | 0.12 |
|                  |                             | mg/dL  | 7.69        | 6.54                   | — | 8.84 | 0.37  |                               | mg/dL       | 7.66                   | 6.51 | —    | 8.80 | 0.37 |
|                  | <b>BS-180</b> <sup>2</sup>  | mmol/L | 2.48        | 2.11                   | — | 2.85 | 0.12  | <b>BS-380</b> <sup>11</sup>   | mmol/L      | 2.53                   | 2.15 | —    | 2.91 | 0.13 |
|                  |                             | mg/dL  | 7.69        | 6.54                   | — | 8.84 | 0.37  |                               | mg/dL       | 7.84                   | 6.67 | —    | 9.02 | 0.40 |
|                  | <b>BS-200</b> <sup>3</sup>  | mmol/L | 2.46        | 2.09                   | — | 2.83 | 0.12  | <b>BS-400</b> <sup>12</sup>   | mmol/L      | 2.53                   | 2.15 | —    | 2.91 | 0.13 |
|                  |                             | mg/dL  | 7.63        | 6.48                   | — | 8.77 | 0.37  |                               | mg/dL       | 7.84                   | 6.67 | —    | 9.02 | 0.40 |
|                  | <b>BS-200E</b> <sup>4</sup> | mmol/L | 2.46        | 2.09                   | — | 2.83 | 0.12  | <b>BS-430</b> <sup>13</sup>   | mmol/L      | 2.54                   | 2.16 | —    | 2.92 | 0.13 |
|                  |                             | mg/dL  | 7.63        | 6.48                   | — | 8.77 | 0.37  |                               | mg/dL       | 7.87                   | 6.70 | —    | 9.05 | 0.40 |
|                  | <b>BS-230</b> <sup>5</sup>  | mmol/L | 2.49        | 2.12                   | — | 2.86 | 0.12  | <b>BS-480</b> <sup>14</sup>   | mmol/L      | 2.48                   | 2.11 | —    | 2.85 | 0.12 |
|                  |                             | mg/dL  | 7.72        | 6.57                   | — | 8.87 | 0.37  |                               | mg/dL       | 7.69                   | 6.54 | —    | 8.84 | 0.37 |
|                  | <b>BS-240E</b> <sup>6</sup> | mmol/L | 2.49        | 2.12                   | — | 2.86 | 0.12  | <b>BS-600</b> <sup>15</sup>   | mmol/L      | 2.49                   | 2.12 | —    | 2.86 | 0.12 |
|                  |                             | mg/dL  | 7.72        | 6.57                   | — | 8.87 | 0.37  |                               | mg/dL       | 7.72                   | 6.57 | —    | 8.87 | 0.37 |
|                  | <b>BS-300</b> <sup>7</sup>  | mmol/L | 2.51        | 2.13                   | — | 2.89 | 0.13  | <b>BS-800</b> <sup>16</sup>   | mmol/L      | 2.52                   | 2.14 | —    | 2.90 | 0.13 |
|                  |                             | mg/dL  | 7.78        | 6.60                   | — | 8.96 | 0.40  |                               | mg/dL       | 7.81                   | 6.63 | —    | 8.99 | 0.40 |
|                  | <b>BS-330</b> <sup>8</sup>  | mmol/L | 2.46        | 2.09                   | — | 2.83 | 0.12  | <b>BS-2000</b> <sup>17</sup>  | mmol/L      | 2.50                   | 2.13 | —    | 2.88 | 0.13 |
|                  |                             | mg/dL  | 7.63        | 6.48                   | — | 8.77 | 0.37  |                               | mg/dL       | 7.75                   | 6.60 | —    | 8.93 | 0.40 |
|                  | <b>BS-330E</b> <sup>9</sup> | mmol/L | 2.46        | 2.09                   | — | 2.83 | 0.12  | <b>BS-2800M</b> <sup>18</sup> | mmol/L      | /                      | /    | —    | /    | /    |
|                  |                             | mg/dL  | 7.63        | 6.48                   | — | 8.77 | 0.37  |                               | mg/dL       | /                      | /    | —    | /    | /    |
| <b>P II</b>      | <b>BS-120</b> <sup>1</sup>  | mmol/L | 2.52        | 2.14                   | — | 2.90 | 0.13  | <b>BS-360E</b> <sup>10</sup>  | mmol/L      | 2.53                   | 2.15 | —    | 2.91 | 0.13 |
|                  |                             | mg/dL  | 7.81        | 6.63                   | — | 8.99 | 0.40  |                               | mg/dL       | 7.84                   | 6.67 | —    | 9.02 | 0.40 |
|                  | <b>BS-180</b> <sup>2</sup>  | mmol/L | 2.52        | 2.14                   | — | 2.90 | 0.13  | <b>BS-380</b> <sup>11</sup>   | mmol/L      | 2.57                   | 2.18 | —    | 2.96 | 0.13 |
|                  |                             | mg/dL  | 7.81        | 6.63                   | — | 8.99 | 0.40  |                               | mg/dL       | 7.97                   | 6.76 | —    | 9.18 | 0.40 |
|                  | <b>BS-200</b> <sup>3</sup>  | mmol/L | 2.52        | 2.14                   | — | 2.90 | 0.13  | <b>BS-400</b> <sup>12</sup>   | mmol/L      | 2.54                   | 2.16 | —    | 2.92 | 0.13 |
|                  |                             | mg/dL  | 7.81        | 6.63                   | — | 8.99 | 0.40  |                               | mg/dL       | 7.87                   | 6.70 | —    | 9.05 | 0.40 |
|                  | <b>BS-200E</b> <sup>4</sup> | mmol/L | 2.57        | 2.18                   | — | 2.96 | 0.13  | <b>BS-430</b> <sup>13</sup>   | mmol/L      | 2.58                   | 2.19 | —    | 2.97 | 0.13 |
|                  |                             | mg/dL  | 7.97        | 6.76                   | — | 9.18 | 0.40  |                               | mg/dL       | 8.00                   | 6.79 | —    | 9.21 | 0.40 |
|                  | <b>BS-230</b> <sup>5</sup>  | mmol/L | 2.56        | 2.18                   | — | 2.94 | 0.13  | <b>BS-480</b> <sup>14</sup>   | mmol/L      | 2.56                   | 2.18 | —    | 2.94 | 0.13 |
|                  |                             | mg/dL  | 7.94        | 6.76                   | — | 9.11 | 0.40  |                               | mg/dL       | 7.94                   | 6.76 | —    | 9.11 | 0.40 |
|                  | <b>BS-240E</b> <sup>6</sup> | mmol/L | 2.56        | 2.18                   | — | 2.94 | 0.13  | <b>BS-600</b> <sup>15</sup>   | mmol/L      | 2.56                   | 2.18 | —    | 2.94 | 0.13 |
|                  |                             | mg/dL  | 7.94        | 6.76                   | — | 9.11 | 0.40  |                               | mg/dL       | 7.94                   | 6.76 | —    | 9.11 | 0.40 |
|                  | <b>BS-300</b> <sup>7</sup>  | mmol/L | 2.56        | 2.18                   | — | 2.94 | 0.13  | <b>BS-800</b> <sup>16</sup>   | mmol/L      | 2.56                   | 2.18 | —    | 2.94 | 0.13 |
|                  |                             | mg/dL  | 7.94        | 6.76                   | — | 9.11 | 0.40  |                               | mg/dL       | 7.94                   | 6.76 | —    | 9.11 | 0.40 |
|                  | <b>BS-330</b> <sup>8</sup>  | mmol/L | 2.52        | 2.14                   | — | 2.90 | 0.13  | <b>BS-2000</b> <sup>17</sup>  | mmol/L      | 2.55                   | 2.17 | —    | 2.93 | 0.13 |
|                  |                             | mg/dL  | 7.81        | 6.63                   | — | 8.99 | 0.40  |                               | mg/dL       | 7.91                   | 6.73 | —    | 9.08 | 0.40 |
|                  | <b>BS-330E</b> <sup>9</sup> | mmol/L | 2.57        | 2.18                   | — | 2.96 | 0.13  | <b>BS-2800M</b> <sup>18</sup> | mmol/L      | 2.58                   | 2.19 | —    | 2.97 | 0.13 |
|                  |                             | mg/dL  | 7.97        | 6.76                   | — | 9.18 | 0.40  |                               | mg/dL       | 8.00                   | 6.79 | —    | 9.21 | 0.40 |
| <b>TP</b>        | <b>BS-120</b> <sup>1</sup>  | g/L    | 79.1        | 67.2                   | — | 91.0 | 4.0   | <b>BS-360E</b> <sup>10</sup>  | g/L         | 81.1                   | 68.9 | —    | 93.3 | 4.1  |
|                  | <b>BS-180</b> <sup>2</sup>  | g/L    | 79.1        | 67.2                   | — | 91.0 | 4.0   | <b>BS-380</b> <sup>11</sup>   | g/L         | 80.3                   | 68.3 | —    | 92.3 | 4.0  |
|                  | <b>BS-200</b> <sup>3</sup>  | g/L    | 79.7        | 67.7                   | — | 91.7 | 4.0   | <b>BS-400</b> <sup>12</sup>   | g/L         | 80.0                   | 68.0 | —    | 92.0 | 4.0  |
|                  | <b>BS-200E</b> <sup>4</sup> | g/L    | 79.3        | 67.4                   | — | 91.2 | 4.0   | <b>BS-430</b> <sup>13</sup>   | g/L         | 80.5                   | 68.4 | —    | 92.6 | 4.0  |
|                  | <b>BS-230</b> <sup>5</sup>  | g/L    | 80.0        | 68.0                   | — | 92.0 | 4.0   | <b>BS-480</b> <sup>14</sup>   | g/L         | 80.5                   | 68.4 | —    | 92.6 | 4.0  |
|                  | <b>BS-240E</b> <sup>6</sup> | g/L    | 79.1        | 67.2                   | — | 91.0 | 4.0   | <b>BS-600</b> <sup>15</sup>   | g/L         | 80.5                   | 68.4 | —    | 92.6 | 4.0  |
|                  | <b>BS-300</b> <sup>7</sup>  | g/L    | 80.3        | 68.3                   | — | 92.3 | 4.0   | <b>BS-800</b> <sup>16</sup>   | g/L         | 80.5                   | 68.4 | —    | 92.6 | 4.0  |
|                  | <b>BS-330</b> <sup>8</sup>  | g/L    | 79.7        | 67.7                   | — | 91.7 | 4.0   | <b>BS-2000</b> <sup>17</sup>  | g/L         | 80.7                   | 68.6 | —    | 92.8 | 4.0  |
|                  | <b>BS-330E</b> <sup>9</sup> | g/L    | 79.3        | 67.4                   | — | 91.2 | 4.0   | <b>BS-2800M</b> <sup>18</sup> | g/L         | /                      | /    | —    | /    | /    |
| <b>TP II</b>     | <b>BS-120</b> <sup>1</sup>  | g/L    | 77.6        | 66.0                   | — | 89.2 | 3.9   | <b>BS-360E</b> <sup>10</sup>  | g/L         | 78.9                   | 67.1 | —    | 90.7 | 3.9  |
|                  | <b>BS-180</b> <sup>2</sup>  | g/L    | 77.6        | 66.0                   | — | 89.2 | 3.9   | <b>BS-380</b> <sup>11</sup>   | g/L         | 78.5                   | 66.7 | —    | 90.3 | 3.9  |
|                  | <b>BS-200</b> <sup>3</sup>  | g/L    | 77.6        | 66.0                   | — | 89.2 | 3.9   | <b>BS-400</b> <sup>12</sup>   | g/L         | 78.5                   | 66.7 | —    | 90.3 | 3.9  |
|                  | <b>BS-200E</b> <sup>4</sup> | g/L    | 78.2        | 66.5                   | — | 89.9 | 3.9   | <b>BS-430</b> <sup>13</sup>   | g/L         | 79.5                   | 67.6 | —    | 91.4 | 4.0  |
|                  | <b>BS-230</b> <sup>5</sup>  | g/L    | 79.0        | 67.2                   | — | 90.9 | 4.0   | <b>BS-480</b> <sup>14</sup>   | g/L         | 77.8                   | 66.1 | —    | 89.5 | 3.9  |
|                  | <b>BS-240E</b> <sup>6</sup> | g/L    | 78.0        | 66.3                   | — | 89.7 | 3.9   | <b>BS-600</b> <sup>15</sup>   | g/L         | 79.5                   | 67.6 | —    | 91.4 | 4.0  |
|                  | <b>BS-300</b> <sup>7</sup>  | g/L    | 79.0        | 67.2                   | — | 90.9 | 4.0   | <b>BS-800</b> <sup>16</sup>   | g/L         | 79.5                   | 67.6 | —    | 91.4 | 4.0  |
|                  | <b>BS-330</b> <sup>8</sup>  | g/L    | 77.6        | 66.0                   | — | 89.2 | 3.9   | <b>BS-2000</b> <sup>17</sup>  | g/L         | 79.2                   | 67.3 | —    | 91.1 | 4.0  |
|                  | <b>BS-330E</b> <sup>9</sup> | g/L    | 78.2        | 66.5                   | — | 89.9 | 3.9   | <b>BS-2800M</b> <sup>18</sup> | g/L         | 79.5                   | 67.6 | —    | 91.4 | 4.0  |

| Abbreviated name | Model                       | Unit   | Assay Value | Range(Assay Value±3SD) |   | 1 SD | Model | Unit                          | Assay Value | Range(Assay Value±3SD) |      | 1 SD |      |      |
|------------------|-----------------------------|--------|-------------|------------------------|---|------|-------|-------------------------------|-------------|------------------------|------|------|------|------|
| <b>TG</b>        | <b>BS-120</b> <sup>1</sup>  | mmol/L | 2.31        | 2.00                   | — | 2.62 | 0.10  | <b>BS-360E</b> <sup>10</sup>  | mmol/L      | 2.34                   | 2.02 | —    | 2.66 | 0.11 |
|                  |                             | mg/dL  | 204         | 177                    | — | 232  | 9     |                               | mg/dL       | 207                    | 179  | —    | 235  | 10   |
|                  | <b>BS-180</b> <sup>2</sup>  | mmol/L | 2.31        | 2.00                   | — | 2.62 | 0.10  | <b>BS-380</b> <sup>11</sup>   | mmol/L      | 2.31                   | 2.00 | —    | 2.62 | 0.10 |
|                  |                             | mg/dL  | 204         | 177                    | — | 232  | 9     |                               | mg/dL       | 204                    | 177  | —    | 232  | 9    |
|                  | <b>BS-200</b> <sup>3</sup>  | mmol/L | 2.30        | 1.99                   | — | 2.61 | 0.10  | <b>BS-400</b> <sup>12</sup>   | mmol/L      | 2.28                   | 1.97 | —    | 2.59 | 0.10 |
|                  |                             | mg/dL  | 204         | 176                    | — | 231  | 9     |                               | mg/dL       | 202                    | 174  | —    | 229  | 9    |
|                  | <b>BS-200E</b> <sup>4</sup> | mmol/L | 2.33        | 2.02                   | — | 2.64 | 0.10  | <b>BS-430</b> <sup>13</sup>   | mmol/L      | 2.34                   | 2.02 | —    | 2.66 | 0.11 |
|                  |                             | mg/dL  | 206         | 179                    | — | 234  | 9     |                               | mg/dL       | 207                    | 179  | —    | 235  | 10   |
|                  | <b>BS-230</b> <sup>5</sup>  | mmol/L | 2.32        | 2.01                   | — | 2.63 | 0.10  | <b>BS-480</b> <sup>14</sup>   | mmol/L      | 2.27                   | 1.96 | —    | 2.58 | 0.10 |
|                  |                             | mg/dL  | 205         | 178                    | — | 233  | 9     |                               | mg/dL       | 201                    | 173  | —    | 228  | 9    |
|                  | <b>BS-240E</b> <sup>6</sup> | mmol/L | 2.33        | 2.02                   | — | 2.64 | 0.10  | <b>BS-600</b> <sup>15</sup>   | mmol/L      | 2.32                   | 2.01 | —    | 2.63 | 0.10 |
|                  |                             | mg/dL  | 206         | 179                    | — | 234  | 9     |                               | mg/dL       | 205                    | 178  | —    | 233  | 9    |
|                  | <b>BS-300</b> <sup>7</sup>  | mmol/L | 2.28        | 1.97                   | — | 2.59 | 0.10  | <b>BS-800</b> <sup>16</sup>   | mmol/L      | 2.36                   | 2.04 | —    | 2.68 | 0.11 |
|                  |                             | mg/dL  | 202         | 174                    | — | 229  | 9     |                               | mg/dL       | 209                    | 181  | —    | 237  | 10   |
|                  | <b>BS-330</b> <sup>8</sup>  | mmol/L | 2.30        | 1.99                   | — | 2.61 | 0.10  | <b>BS-2000</b> <sup>17</sup>  | mmol/L      | 2.34                   | 2.02 | —    | 2.66 | 0.11 |
|                  |                             | mg/dL  | 204         | 176                    | — | 231  | 9     |                               | mg/dL       | 207                    | 179  | —    | 235  | 10   |
|                  | <b>BS-330E</b> <sup>9</sup> | mmol/L | 2.33        | 2.02                   | — | 2.64 | 0.10  | <b>BS-2800M</b> <sup>18</sup> | mmol/L      | 2.40                   | 2.08 | —    | 2.72 | 0.11 |
|                  |                             | mg/dL  | 206         | 179                    | — | 234  | 9     |                               | mg/dL       | 212                    | 184  | —    | 241  | 10   |
| <b>UA</b>        | <b>BS-120</b> <sup>1</sup>  | μmol/L | 617         | 534                    | — | 700  | 28    | <b>BS-360E</b> <sup>10</sup>  | μmol/L      | 626                    | 541  | —    | 711  | 28   |
|                  |                             | mg/dL  | 10.4        | 9.0                    | — | 11.8 | 0.5   |                               | mg/dL       | 10.5                   | 9.1  | —    | 11.9 | 0.5  |
|                  | <b>BS-180</b> <sup>2</sup>  | μmol/L | 617         | 534                    | — | 700  | 28    | <b>BS-380</b> <sup>11</sup>   | μmol/L      | 631                    | 546  | —    | 716  | 28   |
|                  |                             | mg/dL  | 10.4        | 9.0                    | — | 11.8 | 0.5   |                               | mg/dL       | 10.6                   | 9.2  | —    | 12.0 | 0.5  |
|                  | <b>BS-200</b> <sup>3</sup>  | μmol/L | 604         | 522                    | — | 686  | 27    | <b>BS-400</b> <sup>12</sup>   | μmol/L      | 631                    | 546  | —    | 716  | 28   |
|                  |                             | mg/dL  | 10.2        | 8.8                    | — | 11.5 | 0.5   |                               | mg/dL       | 10.6                   | 9.2  | —    | 12.0 | 0.5  |
|                  | <b>BS-200E</b> <sup>4</sup> | μmol/L | 631         | 546                    | — | 716  | 28    | <b>BS-430</b> <sup>13</sup>   | μmol/L      | 634                    | 548  | —    | 720  | 29   |
|                  |                             | mg/dL  | 10.6        | 9.2                    | — | 12.0 | 0.5   |                               | mg/dL       | 10.7                   | 9.2  | —    | 12.1 | 0.5  |
|                  | <b>BS-230</b> <sup>5</sup>  | μmol/L | 622         | 538                    | — | 706  | 28    | <b>BS-480</b> <sup>14</sup>   | μmol/L      | 634                    | 548  | —    | 720  | 29   |
|                  |                             | mg/dL  | 10.5        | 9.0                    | — | 11.9 | 0.5   |                               | mg/dL       | 10.7                   | 9.2  | —    | 12.1 | 0.5  |
|                  | <b>BS-240E</b> <sup>6</sup> | μmol/L | 634         | 548                    | — | 720  | 29    | <b>BS-600</b> <sup>15</sup>   | μmol/L      | 634                    | 548  | —    | 720  | 29   |
|                  |                             | mg/dL  | 10.7        | 9.2                    | — | 12.1 | 0.5   |                               | mg/dL       | 10.7                   | 9.2  | —    | 12.1 | 0.5  |
|                  | <b>BS-300</b> <sup>7</sup>  | μmol/L | 631         | 546                    | — | 716  | 28    | <b>BS-800</b> <sup>16</sup>   | μmol/L      | 634                    | 548  | —    | 720  | 29   |
|                  |                             | mg/dL  | 10.6        | 9.2                    | — | 12.0 | 0.5   |                               | mg/dL       | 10.7                   | 9.2  | —    | 12.1 | 0.5  |
|                  | <b>BS-330</b> <sup>8</sup>  | μmol/L | 604         | 522                    | — | 686  | 27    | <b>BS-2000</b> <sup>17</sup>  | μmol/L      | 634                    | 548  | —    | 720  | 29   |
|                  |                             | mg/dL  | 10.2        | 8.8                    | — | 11.5 | 0.5   |                               | mg/dL       | 10.7                   | 9.2  | —    | 12.1 | 0.5  |
|                  | <b>BS-330E</b> <sup>9</sup> | μmol/L | 631         | 546                    | — | 716  | 28    | <b>BS-2800M</b> <sup>18</sup> | μmol/L      | 646                    | 559  | —    | 733  | 29   |
|                  |                             | mg/dL  | 10.6        | 9.2                    | — | 12.0 | 0.5   |                               | mg/dL       | 10.9                   | 9.4  | —    | 12.3 | 0.5  |
| <b>Urea</b>      | <b>BS-120</b> <sup>1</sup>  | mmol/L | 20.5        | 17.4                   | — | 23.6 | 1.0   | <b>BS-360E</b> <sup>10</sup>  | mmol/L      | 21.2                   | 18.0 | —    | 24.4 | 1.1  |
|                  |                             | mg/dL  | 123         | 105                    | — | 142  | 6     |                               | mg/dL       | 127                    | 108  | —    | 147  | 7    |
|                  | <b>BS-180</b> <sup>2</sup>  | mmol/L | 20.5        | 17.4                   | — | 23.6 | 1.0   | <b>BS-380</b> <sup>11</sup>   | mmol/L      | 20.8                   | 17.7 | —    | 23.9 | 1.0  |
|                  |                             | mg/dL  | 123         | 105                    | — | 142  | 6     |                               | mg/dL       | 125                    | 106  | —    | 144  | 6    |
|                  | <b>BS-200</b> <sup>3</sup>  | mmol/L | 20.5        | 17.4                   | — | 23.6 | 1.0   | <b>BS-400</b> <sup>12</sup>   | mmol/L      | 20.8                   | 17.7 | —    | 23.9 | 1.0  |
|                  |                             | mg/dL  | 123         | 105                    | — | 142  | 6     |                               | mg/dL       | 125                    | 106  | —    | 144  | 6    |
|                  | <b>BS-200E</b> <sup>4</sup> | mmol/L | 21.3        | 18.1                   | — | 24.5 | 1.1   | <b>BS-430</b> <sup>13</sup>   | mmol/L      | 21.2                   | 18.0 | —    | 24.4 | 1.1  |
|                  |                             | mg/dL  | 128         | 109                    | — | 147  | 7     |                               | mg/dL       | 127                    | 108  | —    | 147  | 7    |
|                  | <b>BS-230</b> <sup>5</sup>  | mmol/L | 20.9        | 17.8                   | — | 24.0 | 1.0   | <b>BS-480</b> <sup>14</sup>   | mmol/L      | 20.8                   | 17.7 | —    | 23.9 | 1.0  |
|                  |                             | mg/dL  | 126         | 107                    | — | 144  | 6     |                               | mg/dL       | 125                    | 106  | —    | 144  | 6    |
|                  | <b>BS-240E</b> <sup>6</sup> | mmol/L | 20.7        | 17.6                   | — | 23.8 | 1.0   | <b>BS-600</b> <sup>15</sup>   | mmol/L      | 21.2                   | 18.0 | —    | 24.4 | 1.1  |
|                  |                             | mg/dL  | 124         | 106                    | — | 143  | 6     |                               | mg/dL       | 127                    | 108  | —    | 147  | 7    |
|                  | <b>BS-300</b> <sup>7</sup>  | mmol/L | 20.8        | 17.7                   | — | 23.9 | 1.0   | <b>BS-800</b> <sup>16</sup>   | mmol/L      | 21.2                   | 18.0 | —    | 24.4 | 1.1  |
|                  |                             | mg/dL  | 125         | 106                    | — | 144  | 6     |                               | mg/dL       | 127                    | 108  | —    | 147  | 7    |
|                  | <b>BS-330</b> <sup>8</sup>  | mmol/L | 20.5        | 17.4                   | — | 23.6 | 1.0   | <b>BS-2000</b> <sup>17</sup>  | mmol/L      | 20.9                   | 17.8 | —    | 24.0 | 1.0  |
|                  |                             | mg/dL  | 123         | 105                    | — | 142  | 6     |                               | mg/dL       | 126                    | 107  | —    | 144  | 6    |
|                  | <b>BS-330E</b> <sup>9</sup> | mmol/L | 21.3        | 18.1                   | — | 24.5 | 1.1   | <b>BS-2800M</b> <sup>18</sup> | mmol/L      | 20.6                   | 17.5 | —    | 23.7 | 1.0  |
|                  |                             | mg/dL  | 128         | 109                    | — | 147  | 7     |                               | mg/dL       | 124                    | 105  | —    | 142  | 6    |

| Abbreviated name            | Model                        | Unit                       | Assay Value | Range(Assay Value±3SD) |      | 1 SD  | Model | Unit                          | Assay Value                  | Range(Assay Value±3SD) |      | 1 SD |       |      |      |
|-----------------------------|------------------------------|----------------------------|-------------|------------------------|------|-------|-------|-------------------------------|------------------------------|------------------------|------|------|-------|------|------|
| <b>LIP</b>                  | <b>BS-120</b> <sup>1</sup>   | U/L                        | 95.2        | 76.1                   | —    | 114.3 | 6.4   | <b>BS-360E</b> <sup>10</sup>  | U/L                          | 94.8                   | 75.7 | —    | 113.9 | 6.4  |      |
|                             |                              | μkat/L                     | 1.59        | 1.27                   | —    | 1.91  | 0.11  |                               | μkat/L                       | 1.58                   | 1.26 | —    | 1.90  | 0.11 |      |
|                             | <b>BS-180</b> <sup>2</sup>   | U/L                        | /           | /                      | —    | /     | /     | <b>BS-380</b> <sup>11</sup>   | U/L                          | 98.4                   | 78.6 | —    | 118.2 | 6.6  |      |
|                             |                              | μkat/L                     | /           | /                      | —    | /     | /     |                               | μkat/L                       | 1.64                   | 1.31 | —    | 1.97  | 0.11 |      |
|                             | <b>BS-200</b> <sup>3</sup>   | U/L                        | 92.8        | 74.1                   | —    | 111.5 | 6.2   | <b>BS-400</b> <sup>12</sup>   | U/L                          | 98.4                   | 78.6 | —    | 118.2 | 6.6  |      |
|                             |                              | μkat/L                     | 1.55        | 1.24                   | —    | 1.86  | 0.10  |                               | μkat/L                       | 1.64                   | 1.31 | —    | 1.97  | 0.11 |      |
|                             | <b>BS-200E</b> <sup>4</sup>  | U/L                        | 97.3        | 77.7                   | —    | 116.9 | 6.5   | <b>BS-430</b> <sup>13</sup>   | U/L                          | 97.1                   | 77.6 | —    | 116.6 | 6.5  |      |
|                             |                              | μkat/L                     | 1.62        | 1.30                   | —    | 1.95  | 0.11  |                               | μkat/L                       | 1.62                   | 1.30 | —    | 1.95  | 0.11 |      |
|                             | <b>BS-230</b> <sup>5</sup>   | U/L                        | 97.2        | 77.7                   | —    | 116.7 | 6.5   | <b>BS-480</b> <sup>14</sup>   | U/L                          | 96.8                   | 77.3 | —    | 116.3 | 6.5  |      |
|                             |                              | μkat/L                     | 1.62        | 1.30                   | —    | 1.95  | 0.11  |                               | μkat/L                       | 1.62                   | 1.29 | —    | 1.94  | 0.11 |      |
|                             | <b>BS-240E</b> <sup>6</sup>  | U/L                        | 95.4        | 76.2                   | —    | 114.6 | 6.4   | <b>BS-600</b> <sup>15</sup>   | U/L                          | 97.6                   | 78.0 | —    | 117.2 | 6.5  |      |
|                             |                              | μkat/L                     | 1.59        | 1.27                   | —    | 1.91  | 0.11  |                               | μkat/L                       | 1.63                   | 1.30 | —    | 1.96  | 0.11 |      |
|                             | <b>BS-300</b> <sup>7</sup>   | U/L                        | 95.1        | 76.0                   | —    | 114.2 | 6.4   | <b>BS-800</b> <sup>16</sup>   | U/L                          | 97.6                   | 78.0 | —    | 117.2 | 6.5  |      |
|                             |                              | μkat/L                     | 1.59        | 1.27                   | —    | 1.91  | 0.11  |                               | μkat/L                       | 1.63                   | 1.30 | —    | 1.96  | 0.11 |      |
|                             | <b>BS-330</b> <sup>8</sup>   | U/L                        | /           | /                      | —    | /     | /     | <b>BS-2000</b> <sup>17</sup>  | U/L                          | 97.8                   | 78.1 | —    | 117.5 | 6.6  |      |
|                             |                              | μkat/L                     | /           | /                      | —    | /     | /     |                               | μkat/L                       | 1.63                   | 1.30 | —    | 1.96  | 0.11 |      |
|                             | <b>BS-330E</b> <sup>9</sup>  | U/L                        | 97.3        | 77.7                   | —    | 116.9 | 6.5   | <b>BS-2800M</b> <sup>18</sup> | U/L                          | 97.7                   | 78.1 | —    | 117.3 | 6.5  |      |
|                             |                              | μkat/L                     | 1.62        | 1.30                   | —    | 1.95  | 0.11  |                               | μkat/L                       | 1.63                   | 1.30 | —    | 1.96  | 0.11 |      |
| <b>CHE</b>                  | <b>BS-200</b> <sup>3</sup>   | U/L                        | 8563        | 6842                   | —    | 10284 | 574   | <b>BS-380</b> <sup>11</sup>   | U/L                          | 8765                   | 7003 | —    | 10527 | 587  |      |
|                             |                              | μkat/L                     | 143         | 114                    | —    | 172   | 10    |                               | μkat/L                       | 146                    | 117  | —    | 176   | 10   |      |
|                             | <b>BS-200E</b> <sup>4</sup>  | U/L                        | 8647        | 6909                   | —    | 10385 | 579   | <b>BS-400</b> <sup>12</sup>   | U/L                          | 8765                   | 7003 | —    | 10527 | 587  |      |
|                             |                              | μkat/L                     | 144         | 115                    | —    | 173   | 10    |                               | μkat/L                       | 146                    | 117  | —    | 176   | 10   |      |
|                             | <b>BS-230</b> <sup>5</sup>   | U/L                        | 8610        | 6879                   | —    | 10341 | 577   | <b>BS-430</b> <sup>13</sup>   | U/L                          | 8692                   | 6945 | —    | 10439 | 582  |      |
|                             |                              | μkat/L                     | 144         | 115                    | —    | 173   | 10    |                               | μkat/L                       | 145                    | 116  | —    | 174   | 10   |      |
|                             | <b>BS-240E</b> <sup>6</sup>  | U/L                        | 8625        | 6891                   | —    | 10359 | 578   | <b>BS-480</b> <sup>14</sup>   | U/L                          | 8735                   | 6979 | —    | 10491 | 585  |      |
|                             |                              | μkat/L                     | 144         | 115                    | —    | 173   | 10    |                               | μkat/L                       | 146                    | 117  | —    | 175   | 10   |      |
|                             | <b>BS-300</b> <sup>7</sup>   | U/L                        | 8539        | 6823                   | —    | 10255 | 572   | <b>BS-600</b> <sup>15</sup>   | U/L                          | 8692                   | 6945 | —    | 10439 | 582  |      |
|                             |                              | μkat/L                     | 143         | 114                    | —    | 171   | 10    |                               | μkat/L                       | 145                    | 116  | —    | 174   | 10   |      |
|                             | <b>BS-330</b> <sup>8</sup>   | U/L                        | /           | /                      | —    | /     | /     | <b>BS-800</b> <sup>16</sup>   | U/L                          | 8692                   | 6945 | —    | 10439 | 582  |      |
|                             |                              | μkat/L                     | /           | /                      | —    | /     | /     |                               | μkat/L                       | 145                    | 116  | —    | 174   | 10   |      |
|                             | <b>BS-330E</b> <sup>9</sup>  | U/L                        | 8647        | 6909                   | —    | 10385 | 579   | <b>BS-2000</b> <sup>17</sup>  | U/L                          | 8671                   | 6928 | —    | 10414 | 581  |      |
|                             |                              | μkat/L                     | 144         | 115                    | —    | 173   | 10    |                               | μkat/L                       | 145                    | 116  | —    | 174   | 10   |      |
|                             | <b>BS-360E</b> <sup>10</sup> | U/L                        | 8729        | 6974                   | —    | 10484 | 585   | <b>BS-2800M</b> <sup>18</sup> | U/L                          | 8665                   | 6923 | —    | 10407 | 581  |      |
|                             |                              | μkat/L                     | 146         | 116                    | —    | 175   | 10    |                               | μkat/L                       | 145                    | 116  | —    | 174   | 10   |      |
|                             | <b>Fe</b>                    | <b>BS-120</b> <sup>1</sup> | μmol/L      | 44.1                   | 35.2 | —     | 53.0  | 3.0                           | <b>BS-360E</b> <sup>10</sup> | μmol/L                 | 44.2 | 35.3 | —     | 53.1 | 3.0  |
|                             |                              |                            | mg/L        | 2.47                   | 1.97 | —     | 2.97  | 0.17                          |                              | mg/L                   | 2.48 | 1.98 | —     | 2.97 | 0.17 |
| <b>BS-180</b> <sup>2</sup>  |                              | μmol/L                     | 44.1        | 35.2                   | —    | 53.0  | 3.0   | <b>BS-380</b> <sup>11</sup>   | μmol/L                       | 44.6                   | 35.6 | —    | 53.6  | 3.0  |      |
|                             |                              | mg/L                       | 2.47        | 1.97                   | —    | 2.97  | 0.17  |                               | mg/L                         | 2.50                   | 1.99 | —    | 3.00  | 0.17 |      |
| <b>BS-200</b> <sup>3</sup>  |                              | μmol/L                     | 43.5        | 34.8                   | —    | 52.2  | 2.9   | <b>BS-400</b> <sup>12</sup>   | μmol/L                       | 44.0                   | 35.2 | —    | 52.8  | 2.9  |      |
|                             |                              | mg/L                       | 2.44        | 1.95                   | —    | 2.92  | 0.16  |                               | mg/L                         | 2.46                   | 1.97 | —    | 2.96  | 0.16 |      |
| <b>BS-200E</b> <sup>4</sup> |                              | μmol/L                     | 44.8        | 35.8                   | —    | 53.8  | 3.0   | <b>BS-430</b> <sup>13</sup>   | μmol/L                       | 43.9                   | 35.1 | —    | 52.7  | 2.9  |      |
|                             |                              | mg/L                       | 2.51        | 2.00                   | —    | 3.01  | 0.17  |                               | mg/L                         | 2.46                   | 1.97 | —    | 2.95  | 0.16 |      |
| <b>BS-230</b> <sup>5</sup>  |                              | μmol/L                     | 43.8        | 35.0                   | —    | 52.6  | 2.9   | <b>BS-480</b> <sup>14</sup>   | μmol/L                       | 43.9                   | 35.1 | —    | 52.7  | 2.9  |      |
|                             |                              | mg/L                       | 2.45        | 1.96                   | —    | 2.95  | 0.16  |                               | mg/L                         | 2.46                   | 1.97 | —    | 2.95  | 0.16 |      |
| <b>BS-240E</b> <sup>6</sup> |                              | μmol/L                     | 43.9        | 35.1                   | —    | 52.7  | 2.9   | <b>BS-600</b> <sup>15</sup>   | μmol/L                       | 44.2                   | 35.3 | —    | 53.1  | 3.0  |      |
|                             |                              | mg/L                       | 2.46        | 1.97                   | —    | 2.95  | 0.16  |                               | mg/L                         | 2.48                   | 1.98 | —    | 2.97  | 0.17 |      |
| <b>BS-300</b> <sup>7</sup>  |                              | μmol/L                     | 44.3        | 35.4                   | —    | 53.2  | 3.0   | <b>BS-800</b> <sup>16</sup>   | μmol/L                       | 44.2                   | 35.3 | —    | 53.1  | 3.0  |      |
|                             |                              | mg/L                       | 2.48        | 1.98                   | —    | 2.98  | 0.17  |                               | mg/L                         | 2.48                   | 1.98 | —    | 2.97  | 0.17 |      |
| <b>BS-330</b> <sup>8</sup>  |                              | μmol/L                     | 43.5        | 34.8                   | —    | 52.2  | 2.9   | <b>BS-2000</b> <sup>17</sup>  | μmol/L                       | 44.6                   | 35.6 | —    | 53.6  | 3.0  |      |
|                             |                              | mg/L                       | 2.44        | 1.95                   | —    | 2.92  | 0.16  |                               | mg/L                         | 2.50                   | 1.99 | —    | 3.00  | 0.17 |      |
| <b>BS-330E</b> <sup>9</sup> |                              | μmol/L                     | 44.8        | 35.8                   | —    | 53.8  | 3.0   | <b>BS-2800M</b> <sup>18</sup> | μmol/L                       | 43.5                   | 34.8 | —    | 52.2  | 2.9  |      |
|                             |                              | mg/L                       | 2.51        | 2.00                   | —    | 3.01  | 0.17  |                               | mg/L                         | 2.44                   | 1.95 | —    | 2.92  | 0.16 |      |



| Abbreviated name  | Model                        | Unit   | Assay Value | Range(Assay Value±3SD) |   | 1 SD | Model | Unit                          | Assay Value | Range(Assay Value±3SD) |      | 1 SD |      |     |
|---|------------------------------|--------|-------------|------------------------|---|------|-------|-------------------------------|-------------|------------------------|------|------|------|-----|
| <b>UIBC</b>   | <b>BS-230</b> <sup>5</sup>   | μmol/L | 36.7        | 29.3                   | — | 44.1 | 2.5   | <b>BS-480</b> <sup>14</sup>   | μmol/L      | 38.1                   | 30.4 | —    | 45.8 | 2.6 |
|   |                              | μg/dL  | 205         | 164                    | — | 247  | 14    |                               | μg/dL       | 213                    | 170  | —    | 256  | 15  |
|   | <b>BS-240E</b> <sup>6</sup>  | μmol/L | 38.4        | 30.7                   | — | 46.1 | 2.6   | <b>BS-600</b> <sup>15</sup>   | μmol/L      | 37.0                   | 29.6 | —    | 44.4 | 2.5 |
|   |                              | μg/dL  | 215         | 172                    | — | 258  | 15    |                               | μg/dL       | 207                    | 165  | —    | 248  | 14  |
|   | <b>BS-360E</b> <sup>10</sup> | μmol/L | 37.6        | 30.0                   | — | 45.2 | 2.5   | <b>BS-800</b> <sup>16</sup>   | μmol/L      | 37.0                   | 29.6 | —    | 44.4 | 2.5 |
|   |                              | μg/dL  | 210         | 168                    | — | 253  | 14    |                               | μg/dL       | 207                    | 165  | —    | 248  | 14  |
|   | <b>BS-380</b> <sup>11</sup>  | μmol/L | 38.8        | 31.0                   | — | 46.6 | 2.6   | <b>BS-2000</b> <sup>17</sup>  | μmol/L      | 34.4                   | 27.5 | —    | 41.3 | 2.3 |
|   |                              | μg/dL  | 217         | 173                    | — | 260  | 15    |                               | μg/dL       | 192                    | 154  | —    | 231  | 13  |
|   | <b>BS-400</b> <sup>12</sup>  | μmol/L | 38.8        | 31.0                   | — | 46.6 | 2.6   | <b>BS-2800M</b> <sup>18</sup> | μmol/L      | 36.3                   | 29.0 | —    | 43.6 | 2.4 |
|   |                              | μg/dL  | 217         | 173                    | — | 260  | 15    |                               | μg/dL       | 203                    | 162  | —    | 244  | 13  |
|   | <b>BS-430</b> <sup>13</sup>  | μmol/L | 37.0        | 29.6                   | — | 44.4 | 2.5   |                               |             |                        |      |      |      |     |
|   |                              | μg/dL  | 207         | 165                    | — | 248  | 14    |                               |             |                        |      |      |      |     |
| <b>ASOII</b>  | <b>BS-200E</b> <sup>4</sup>  | IU/mL  | 272         | 177                    | — | 367  | 32    | <b>BS-430</b> <sup>13</sup>   | IU/mL       | 275                    | 178  | —    | 372  | 32  |
|   | <b>BS-230</b> <sup>5</sup>   | IU/mL  | 282         | 183                    | — | 381  | 33    | <b>BS-480</b> <sup>14</sup>   | IU/mL       | 275                    | 178  | —    | 372  | 32  |
|   | <b>BS-240E</b> <sup>6</sup>  | IU/mL  | 275         | 178                    | — | 372  | 32    | <b>BS-600</b> <sup>15</sup>   | IU/mL       | 275                    | 178  | —    | 372  | 32  |
|   | <b>BS-360E</b> <sup>10</sup> | IU/mL  | 275         | 178                    | — | 372  | 32    | <b>BS-800</b> <sup>16</sup>   | IU/mL       | 275                    | 178  | —    | 372  | 32  |
|   | <b>BS-380</b> <sup>11</sup>  | IU/mL  | 272         | 177                    | — | 367  | 32    | <b>BS-2000</b> <sup>17</sup>  | IU/mL       | 269                    | 175  | —    | 363  | 31  |
|   | <b>BS-400</b> <sup>12</sup>  | IU/mL  | 272         | 177                    | — | 367  | 32    | <b>BS-2800M</b> <sup>18</sup> | IU/mL       | 259                    | 168  | —    | 350  | 30  |
| <b>FER</b>  | <b>BS-200E</b> <sup>4</sup>  | ng/mL  | 205         | 174                    | — | 236  | 10    | <b>BS-430</b> <sup>13</sup>   | ng/mL       | 202                    | 172  | —    | 232  | 10  |
|   |                              | pmol/L | 461         | 391                    | — | 530  | 22    |                               | pmol/L      | 454                    | 386  | —    | 521  | 22  |
|   | <b>BS-230</b> <sup>5</sup>   | ng/mL  | 201         | 171                    | — | 231  | 10    | <b>BS-480</b> <sup>14</sup>   | ng/mL       | 202                    | 172  | —    | 232  | 10  |
|   |                              | pmol/L | 452         | 384                    | — | 519  | 22    |                               | pmol/L      | 454                    | 386  | —    | 521  | 22  |
|   | <b>BS-240E</b> <sup>6</sup>  | ng/mL  | 202         | 172                    | — | 232  | 10    | <b>BS-600</b> <sup>15</sup>   | ng/mL       | 202                    | 172  | —    | 232  | 10  |
|   |                              | pmol/L | 454         | 386                    | — | 521  | 22    |                               | pmol/L      | 454                    | 386  | —    | 521  | 22  |
|   | <b>BS-360E</b> <sup>10</sup> | ng/mL  | 202         | 172                    | — | 232  | 10    | <b>BS-800</b> <sup>16</sup>   | ng/mL       | 202                    | 172  | —    | 232  | 10  |
|   |                              | pmol/L | 454         | 386                    | — | 521  | 22    |                               | pmol/L      | 454                    | 386  | —    | 521  | 22  |
|   | <b>BS-380</b> <sup>11</sup>  | ng/mL  | 205         | 174                    | — | 236  | 10    | <b>BS-2000</b> <sup>17</sup>  | ng/mL       | 200                    | 170  | —    | 230  | 10  |
|   |                              | pmol/L | 461         | 391                    | — | 530  | 22    |                               | pmol/L      | 449                    | 382  | —    | 517  | 22  |
|   | <b>BS-400</b> <sup>12</sup>  | ng/mL  | 205         | 174                    | — | 236  | 10    | <b>BS-2800M</b> <sup>18</sup> | ng/mL       | 203                    | 173  | —    | 233  | 10  |
|   |                              | pmol/L | 461         | 391                    | — | 530  | 22    |                               | pmol/L      | 456                    | 389  | —    | 524  | 22  |
| <b>HS-CRP</b><br>(Remark 5:<br>The target value of HS-CRP in BS-240 is only applicable to BS-240) | <b>BS-120</b> <sup>1</sup>   | mg/L   | /           | /                      | — | /    | /     | <b>BS-360E</b> <sup>10</sup>  | mg/L        | 53.3                   | 37.3 | —    | 69.3 | 5.3 |
|   |                              | nmol/L | /           | /                      | — | /    | /     |                               | nmol/L      | 507                    | 355  | —    | 660  | 50  |
|   | <b>BS-180</b> <sup>2</sup>   | mg/L   | /           | /                      | — | /    | /     | <b>BS-380</b> <sup>11</sup>   | mg/L        | 53.0                   | 37.1 | —    | 68.9 | 5.3 |
|   |                              | nmol/L | /           | /                      | — | /    | /     |                               | nmol/L      | 505                    | 353  | —    | 656  | 50  |
|   | <b>BS-200</b> <sup>3</sup>   | mg/L   | /           | /                      | — | /    | /     | <b>BS-400</b> <sup>12</sup>   | mg/L        | 54.0                   | 37.8 | —    | 70.2 | 5.4 |
|   |                              | nmol/L | /           | /                      | — | /    | /     |                               | nmol/L      | 514                    | 360  | —    | 668  | 51  |
|   | <b>BS-200E</b> <sup>4</sup>  | mg/L   | 52.8        | 37.0                   | — | 68.6 | 5.3   | <b>BS-430</b> <sup>13</sup>   | mg/L        | 52.8                   | 37.0 | —    | 68.6 | 5.3 |
|   |                              | nmol/L | 503         | 352                    | — | 653  | 50    |                               | nmol/L      | 503                    | 352  | —    | 653  | 50  |
|   | <b>BS-240</b> <sup>5</sup>   | mg/L   | 52.2        | 36.5                   | — | 67.9 | 5.2   | <b>BS-480</b> <sup>14</sup>   | mg/L        | 53.3                   | 37.3 | —    | 69.3 | 5.3 |
|   |                              | nmol/L | 497         | 347                    | — | 646  | 50    |                               | nmol/L      | 507                    | 355  | —    | 660  | 50  |
|   | <b>BS-240E</b> <sup>6</sup>  | mg/L   | 53.2        | 37.2                   | — | 69.2 | 5.3   | <b>BS-600</b> <sup>15</sup>   | mg/L        | 53.3                   | 37.3 | —    | 69.3 | 5.3 |
|   |                              | nmol/L | 506         | 354                    | — | 659  | 50    |                               | nmol/L      | 507                    | 355  | —    | 660  | 50  |
|   | <b>BS-300</b> <sup>7</sup>   | mg/L   | 53.0        | 37.1                   | — | 68.9 | 5.3   | <b>BS-800</b> <sup>16</sup>   | mg/L        | 53.3                   | 37.3 | —    | 69.3 | 5.3 |
|   |                              | nmol/L | 505         | 353                    | — | 656  | 50    |                               | nmol/L      | 507                    | 355  | —    | 660  | 50  |
|   | <b>BS-330</b> <sup>8</sup>   | mg/L   | /           | /                      | — | /    | /     | <b>BS-2000</b> <sup>17</sup>  | mg/L        | 53.5                   | 37.5 | —    | 69.6 | 5.4 |
|   |                              | nmol/L | /           | /                      | — | /    | /     |                               | nmol/L      | 509                    | 357  | —    | 663  | 51  |
|   | <b>BS-330E</b> <sup>9</sup>  | mg/L   | 52.8        | 37.0                   | — | 68.6 | 5.3   | <b>BS-2800M</b> <sup>18</sup> | mg/L        | 53.3                   | 37.3 | —    | 69.3 | 5.3 |
|   |                              | nmol/L | 503         | 352                    | — | 653  | 50    |                               | nmol/L      | 507                    | 355  | —    | 660  | 50  |

| Abbreviated name | Model                 | Unit   | Assay Value | Range(Assay Value±3SD) |   |      | 1 SD | Model                  | Unit   | Assay Value | Range(Assay Value±3SD) |   |      | 1 SD |
|------------------|-----------------------|--------|-------------|------------------------|---|------|------|------------------------|--------|-------------|------------------------|---|------|------|
| TRF              | BS-120 <sup>1</sup>   | g/L    | 3.13        | 2.66                   | — | 3.60 | 0.16 | BS-400 <sup>12</sup>   | g/L    | 3.22        | 2.74                   | — | 3.70 | 0.16 |
|                  |                       | μmol/L | 39.4        | 33.5                   | — | 45.4 | 2.0  |                        | μmol/L | 40.6        | 34.5                   | — | 46.6 | 2.0  |
|                  | BS-180 <sup>2</sup>   | g/L    | /           | /                      | — | /    | /    | BS-430 <sup>13</sup>   | g/L    | 3.29        | 2.80                   | — | 3.78 | 0.16 |
|                  |                       | μmol/L | /           | /                      | — | /    | /    |                        | μmol/L | 41.5        | 35.3                   | — | 47.6 | 2.0  |
|                  | BS-200 <sup>3</sup>   | g/L    | 3.13        | 2.66                   | — | 3.60 | 0.16 | BS-480 <sup>14</sup>   | g/L    | 3.20        | 2.72                   | — | 3.68 | 0.16 |
|                  |                       | μmol/L | 39.4        | 33.5                   | — | 45.4 | 2.0  |                        | μmol/L | 40.3        | 34.3                   | — | 46.4 | 2.0  |
|                  | BS-200E <sup>4</sup>  | g/L    | 3.22        | 2.74                   | — | 3.70 | 0.16 | BS-600 <sup>15</sup>   | g/L    | 3.22        | 2.74                   | — | 3.70 | 0.16 |
|                  |                       | μmol/L | 40.6        | 34.5                   | — | 46.6 | 2.0  |                        | μmol/L | 40.6        | 34.5                   | — | 46.6 | 2.0  |
|                  | BS-230 <sup>5</sup>   | g/L    | 3.23        | 2.75                   | — | 3.71 | 0.16 | BS-800 <sup>16</sup>   | g/L    | 3.20        | 2.72                   | — | 3.68 | 0.16 |
|                  |                       | μmol/L | 40.7        | 34.7                   | — | 46.7 | 2.0  |                        | μmol/L | 40.3        | 34.3                   | — | 46.4 | 2.0  |
|                  | BS-240E <sup>6</sup>  | g/L    | 3.21        | 2.73                   | — | 3.69 | 0.16 | BS-2000 <sup>17</sup>  | g/L    | 3.19        | 2.71                   | — | 3.67 | 0.16 |
|                  |                       | μmol/L | 40.4        | 34.4                   | — | 46.5 | 2.0  |                        | μmol/L | 40.2        | 34.1                   | — | 46.2 | 2.0  |
|                  | BS-360E <sup>10</sup> | g/L    | 3.13        | 2.66                   | — | 3.60 | 0.16 | BS-2800M <sup>18</sup> | g/L    | 3.22        | 2.74                   | — | 3.70 | 0.16 |
|                  |                       | μmol/L | 39.4        | 33.5                   | — | 45.4 | 2.0  |                        | μmol/L | 40.6        | 34.5                   | — | 46.6 | 2.0  |
|                  | BS-380 <sup>11</sup>  | g/L    | 3.22        | 2.74                   | — | 3.70 | 0.16 |                        |        |             |                        |   |      |      |
|                  |                       | μmol/L | 40.6        | 34.5                   | — | 46.6 | 2.0  |                        |        |             |                        |   |      |      |
| Na <sup>+</sup>  | BS-120 <sup>1</sup>   | mmol/L | 154         | 139                    | — | 169  | 5    | BS-360E <sup>10</sup>  | mmol/L | 154         | 139                    | — | 169  | 5    |
|                  | BS-180 <sup>2</sup>   | mmol/L | 154         | 139                    | — | 169  | 5    | BS-380 <sup>11</sup>   | mmol/L | 154         | 139                    | — | 169  | 5    |
|                  | BS-200 <sup>3</sup>   | mmol/L | 154         | 139                    | — | 169  | 5    | BS-400 <sup>12</sup>   | mmol/L | 154         | 139                    | — | 169  | 5    |
|                  | BS-200E <sup>4</sup>  | mmol/L | 154         | 139                    | — | 169  | 5    | BS-430 <sup>13</sup>   | mmol/L | 151         | 136                    | — | 166  | 5    |
|                  | BS-230 <sup>5</sup>   | mmol/L | 154         | 139                    | — | 169  | 5    | BS-480 <sup>14</sup>   | mmol/L | 152         | 137                    | — | 167  | 5    |
|                  | BS-240E <sup>6</sup>  | mmol/L | 147         | 132                    | — | 162  | 5    | BS-600 <sup>15</sup>   | mmol/L | 154         | 139                    | — | 169  | 5    |
|                  | BS-300 <sup>7</sup>   | mmol/L | 154         | 139                    | — | 169  | 5    | BS-800 <sup>16</sup>   | mmol/L | 137         | 123                    | — | 151  | 5    |
|                  | BS-330 <sup>8</sup>   | mmol/L | 154         | 139                    | — | 169  | 5    | BS-2000 <sup>17</sup>  | mmol/L | 137         | 123                    | — | 151  | 5    |
|                  | BS-330E <sup>9</sup>  | mmol/L | 154         | 139                    | — | 169  | 5    | BS-2800M <sup>18</sup> | mmol/L | 137         | 123                    | — | 151  | 5    |
| K <sup>+</sup>   | BS-120 <sup>1</sup>   | mmol/L | 7.80        | 7.03                   | — | 8.57 | 0.26 | BS-360E <sup>10</sup>  | mmol/L | 7.80        | 7.03                   | — | 8.57 | 0.26 |
|                  | BS-180 <sup>2</sup>   | mmol/L | 7.80        | 7.03                   | — | 8.57 | 0.26 | BS-380 <sup>11</sup>   | mmol/L | 7.80        | 7.03                   | — | 8.57 | 0.26 |
|                  | BS-200 <sup>3</sup>   | mmol/L | 7.80        | 7.03                   | — | 8.57 | 0.26 | BS-400 <sup>12</sup>   | mmol/L | 7.80        | 7.03                   | — | 8.57 | 0.26 |
|                  | BS-200E <sup>4</sup>  | mmol/L | 7.80        | 7.03                   | — | 8.57 | 0.26 | BS-430 <sup>13</sup>   | mmol/L | 7.59        | 6.84                   | — | 8.34 | 0.25 |
|                  | BS-230 <sup>5</sup>   | mmol/L | 7.80        | 7.03                   | — | 8.57 | 0.26 | BS-480 <sup>14</sup>   | mmol/L | 7.73        | 6.96                   | — | 8.50 | 0.26 |
|                  | BS-240E <sup>6</sup>  | mmol/L | 7.37        | 6.64                   | — | 8.10 | 0.24 | BS-600 <sup>15</sup>   | mmol/L | 7.80        | 7.03                   | — | 8.57 | 0.26 |
|                  | BS-300 <sup>7</sup>   | mmol/L | 7.80        | 7.03                   | — | 8.57 | 0.26 | BS-800 <sup>16</sup>   | mmol/L | 7.05        | 6.35                   | — | 7.75 | 0.23 |
|                  | BS-330 <sup>8</sup>   | mmol/L | 7.80        | 7.03                   | — | 8.57 | 0.26 | BS-2000 <sup>17</sup>  | mmol/L | 7.05        | 6.35                   | — | 7.75 | 0.23 |
|                  | BS-330E <sup>9</sup>  | mmol/L | 7.80        | 7.03                   | — | 8.57 | 0.26 | BS-2800M <sup>18</sup> | mmol/L | 7.06        | 6.36                   | — | 7.76 | 0.23 |
| Cl <sup>-</sup>  | BS-120 <sup>1</sup>   | mmol/L | 113         | 102                    | — | 124  | 4    | BS-360E <sup>10</sup>  | mmol/L | 113         | 102                    | — | 124  | 4    |
|                  | BS-180 <sup>2</sup>   | mmol/L | 113         | 102                    | — | 124  | 4    | BS-380 <sup>11</sup>   | mmol/L | 113         | 102                    | — | 124  | 4    |
|                  | BS-200 <sup>3</sup>   | mmol/L | 113         | 102                    | — | 124  | 4    | BS-400 <sup>12</sup>   | mmol/L | 113         | 102                    | — | 124  | 4    |
|                  | BS-200E <sup>4</sup>  | mmol/L | 113         | 102                    | — | 124  | 4    | BS-430 <sup>13</sup>   | mmol/L | 114         | 103                    | — | 125  | 4    |
|                  | BS-230 <sup>5</sup>   | mmol/L | 113         | 102                    | — | 124  | 4    | BS-480 <sup>14</sup>   | mmol/L | 113         | 102                    | — | 124  | 4    |
|                  | BS-240E <sup>6</sup>  | mmol/L | 113         | 102                    | — | 124  | 4    | BS-600 <sup>15</sup>   | mmol/L | 113         | 102                    | — | 124  | 4    |
|                  | BS-300 <sup>7</sup>   | mmol/L | 113         | 102                    | — | 124  | 4    | BS-800 <sup>16</sup>   | mmol/L | 110         | 99                     | — | 121  | 4    |
|                  | BS-330 <sup>8</sup>   | mmol/L | 113         | 102                    | — | 124  | 4    | BS-2000 <sup>17</sup>  | mmol/L | 110         | 99                     | — | 121  | 4    |
|                  | BS-330E <sup>9</sup>  | mmol/L | 113         | 102                    | — | 124  | 4    | BS-2800M <sup>18</sup> | mmol/L | 111         | 100                    | — | 122  | 4    |