

Clinical Chemistry Control– Level 3

Assignment of values (**REF** BYZKD0303 **LOT** 29F1002)

| Instrument | Analyte | Unit | Clinical Chemistry Control-Level3 | | |
|------------------------------|---------|--------|-----------------------------------|--------------|---------------|
| | | | Target | SD | Range |
| Toshiba TBA-120FR/TBA-FX8 | ADA | U/L | 52.06 | 4.56 | 38.37-65.75 |
| | ALB | g/L | 47.94 | 3.79 | 36.56-59.32 |
| | ALP | U/L | 276.93 | 24.96 | 202.04-351.81 |
| | ALT | U/L | 177.96 | 15.12 | 132.60-223.31 |
| | α-AMY | U/L | 296.82 | 27.89 | 213.15-380.50 |
| | AST | U/L | 270.54 | 24.55 | 196.88-344.21 |
| | Ca | mmol/L | 3.22 | 0.27 | 2.42-4.03 |
| | CHE | U/L | 9132 | 717 | 6982-11283 |
| | CK | U/L | 482.76 | 38.71 | 366.63-598.90 |
| | CL | mmol/L | 113.42 | 10.53 | 81.83-145.01 |
| | Cre | μmol/L | 494.06 | 40.7 | 371.97-616.15 |
| | Cu | μmol/L | 25 | 2.14 | 18.58-31.41 |
| | DBIL | μmol/L | 47.5 | 4.51 | 33.97-61.03 |
| | Fe | μmol/L | 32.24 | 2.83 | 23.74-40.73 |
| | GLU | mmol/L | 14.78 | 1.35 | 10.73-18.84 |
| | GGT | U/L | 149.78 | 14.14 | 107.35-192.20 |
| | Li | mmol/L | 3.06 | 0.25 | 2.30-3.82 |
| | HBDH | U/L | 410.15 | 34.49 | 309.42-510.87 |
| | HDL-C | mmol/L | 1.63 | 0.15 | 1.19-2.07 |
| | K | mmol/L | 6.07 | 0.51 | 4.54-7.61 |
| | LAC | mmol/L | 5.54 | 0.46 | 4.15-6.94 |
| | LDH | U/L | 402.8 | 33.42 | 302.54-503.06 |
| | LDL-C | mmol/L | 2.88 | 0.23 | 2.19-3.58 |
| | LPS | U/L | 76.95 | 6.25 | 58.22-95.69 |
| | Mg | mmol/L | 1.82 | 0.17 | 1.32-2.31 |
| | Na | mmol/L | 156.04 | 12.51 | 118.51-193.56 |
| | P-AMY | U/L | 234.19 | 21.42 | 172.13-296.26 |
| | P | mmol/L | 2.27 | 0.2 | 1.67-2.87 |
| TBA | μmol/L | 39.63 | 3.36 | 29.55-49.71 | |
| TBIL | μmol/L | 103.86 | 8.92 | 77.11-130.62 | |
| TC | mmol/L | 5.28 | 0.44 | 3.95-6.61 | |

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|------------------------------|---------|--------|-----------------------------------|-----------|---------------|
| | | | Target | SD | Range |
| Toshiba TBA-120FR/TBA-FX8 | TG | mmol/L | 2.44 | 0.21 | 1.81-3.07 |
| | TIBC | μmol/L | 60.92 | 5.58 | 44.19-77.64 |
| | TP | g/L | 74.27 | 6.12 | 55.91-92.63 |
| | Urea | mmol/L | 24.85 | 2.07 | 18.64-31.05 |
| | UA | μmol/L | 541.98 | 45.48 | 405.53-678.44 |
| | Zn | μmol/L | 42.87 | 4.17 | 34.16-51.58 |
| | 5'-NT | U/L | 44.86 | 3.8 | 33.47-56.26 |
| Beckman Coulter AU680 | ADA | U/L | 45.12 | 3.97 | 33.21-57.02 |
| | ALB | g/L | 45.16 | 3.93 | 33.36-56.96 |
| | ALP | U/L | 331.93 | 24.70 | 257.82-406.04 |
| | ALT | U/L | 144.06 | 11.52 | 109.50-178.62 |
| | α-AMY | U/L | 298.41 | 28.49 | 212.96-383.87 |
| | AST | U/L | 278.97 | 21.38 | 214.84-343.11 |
| | Ca | mmol/L | 2.93 | 0.26 | 2.13-3.72 |
| | CHE | U/L | 8925 | 687 | 6865-10985 |
| | CK | U/L | 466.64 | 37.23 | 354.94-578.35 |
| | CL | mmol/L | 112.06 | 9.25 | 84.31-139.81 |
| | Cre | μmol/L | 438.23 | 35.96 | 330.35-546.10 |
| | Cu | μmol/L | 26.93 | 2.51 | 19.39-34.46 |
| | DBIL | μmol/L | 43.72 | 3.42 | 33.45-53.99 |
| | Fe | μmol/L | 32.77 | 2.88 | 24.13-41.41 |
| | GLU | mmol/L | 13.93 | 1.36 | 9.85-18.01 |
| | GGT | U/L | 146.10 | 13.54 | 105.48-186.72 |
| | HBDH | U/L | 412.77 | 33.57 | 309.31-516.22 |
| | HDL-C | mmol/L | 1.47 | 0.13 | 1.10-1.85 |
| | K | mmol/L | 6.29 | 0.78 | 3.96-8.62 |
| | LAC | mmol/L | 4.92 | 0.40 | 3.73-6.11 |
| | LDH | U/L | 390.68 | 30.81 | 298.26-483.10 |
| | LDL-C | mmol/L | 3.10 | 0.25 | 2.36-3.83 |
| | LPS | U/L | 64.17 | 6.14 | 45.74-82.60 |
| | Mg | mmol/L | 1.60 | 0.14 | 1.19-2.01 |
| | Na | mmol/L | 150.28 | 14.02 | 108.22-192.33 |
| | P-AMY | U/L | 236.60 | 20.69 | 172.34-300.85 |
| | P | mmol/L | 2.08 | 0.18 | 1.55-2.62 |
| | TBA | μmol/L | 38.62 | 3.28 | 28.78-48.47 |
| | TBIL | μmol/L | 94.22 | 7.81 | 70.80-117.65 |
| | TC | mmol/L | 5.25 | 0.43 | 3.98-6.53 |
| TG | mmol/L | 2.56 | 0.21 | 1.92-3.21 | |

| Instrument | Analyte | Unit | Clinical Chemistry Control-Level3 | | |
|--------------------------|---------|--------|-----------------------------------|-------|---------------|
| | | | Target | SD | Range |
| Beckman Coulter AU680 | TIBC | μmol/L | 69.53 | 6.09 | 51.25-87.80 |
| | TP | g/L | 70.18 | 5.96 | 52.31-88.06 |
| | Urea | mmol/L | 23.21 | 2.08 | 16.98-29.45 |
| | UA | μmol/L | 557.04 | 48.17 | 412.52-701.57 |
| | Zn | μmol/L | 50.31 | 4.00 | 38.33-62.30 |
| | 5'-NT | U/L | 45.27 | 3.85 | 33.71-56.83 |

Remark: The range printed in the assigned value table should only be considered as a reference and it is recommended that each laboratory establish its own mean and acceptable ranges.