

| Short Name / Analyte       | Method                               | Reagent ID | Value | Range         | Unit   |
|----------------------------|--------------------------------------|------------|-------|---------------|--------|
| <b>ALB</b>                 | Bromocresol green                    | 1 0220     | 3.43  | 2.64 - 4.22   | g/dL   |
| Albumin                    |                                      |            | 34.3  | 26.4 - 42.2   | g/L    |
| <b>AP</b>                  | IFCC 37 °C                           | 1 0441     | 60.2  | 45.1 - 75.2   | U/L    |
| Alkaline phosphatase       |                                      |            | 1.00  | 0.752 - 1.25  | μkat/L |
| <b>ALT/GPT</b>             | IFCC, with pyridoxal phosphate 37 °C | 1 2701 +   | 48.9  | 37.7 - 60.2   | U/L    |
| Alanine aminotransferase   | without pyridoxal phosphate 37 °C    | 1 2701     | 49.6  | 38.2 - 61.1   | U/L    |
| <b>AST/GOT</b>             | IFCC, with pyridoxal phosphate 37 °C | 1 2601 +   | 36.3  | 28.0 - 44.7   | U/L    |
| Aspartate aminotransferase | without pyridoxal phosphate 37 °C    | 1 2601     | 35.5  | 27.3 - 43.6   | U/L    |
| <b>AMY</b>                 | EPS-G7                               | 1 0501     | 68.6  | 54.9 - 82.3   | U/L    |
| Amylase                    |                                      |            |       |               |        |
| <b>PAMY</b>                | EPS-G7                               | 1 0551     | 28.8  | 23.0 - 34.5   | U/L    |
| Pancreatic amylase         |                                      |            |       |               |        |
| <b>APOA1</b>               | Immunoturbidimetric                  | 1 7102     | 126   | 101 - 151     | mg/dL  |
| Apolipoprotein A1          |                                      |            | 1.26  | 1.01 - 1.51   | g/L    |
| <b>APOB</b>                | Immunoturbidimetric                  | 1 7112     | 70.4  | 56.3 - 84.4   | mg/dL  |
| Apolipoprotein B           |                                      |            | 0.704 | 0.563 - 0.844 | g/L    |
| <b>TBA</b>                 | Enzymatic cycling method             | 1 2238     | 9.96  | 7.97 - 12.0   | μmol/L |
| Total Bile Acids           |                                      |            |       |               |        |
| <b>DBIL</b>                | DCA                                  | 1 0821     | 0.706 | 0.522 - 0.889 | mg/dL  |
| Direct Bilirubin           |                                      |            |       |               |        |
| <b>TBIL</b>                | DCA                                  | 1 0811     | 1.27  | 0.941 - 1.60  | mg/dL  |
| Total Bilirubin            |                                      |            |       |               |        |
| <b>BUN</b>                 | Urease UV                            | 1 1130     | 16.7  | 13.0 - 20.4   | mg/dL  |
| Urea N                     |                                      |            | 5.96  | 4.65 - 7.28   | mmol/L |
| <b>CAAS</b>                | Arsenazo                             | 1 1130     | 2.23  | 1.98 - 2.47   | mmol/L |
| Calcium                    |                                      |            | 8.93  | 7.95 - 9.92   | mg/dL  |
| <b>CA</b>                  | Phosphonazo                          | 1 1181     | 2.34  | 2.08 - 2.60   | mmol/L |
| Calcium                    |                                      |            | 9.39  | 8.35 - 10.4   | mg/dL  |
| <b>Cl21</b>                | Colorimetric                         | 1 1221     | 102   | 92.7 - 111    | mmol/L |
| Chloride                   |                                      |            | 361   | 329 - 394     | mg/dL  |
| <b>CHOL</b>                | CHOD-PAP                             | 1 1300     | 133   | 114 - 152     | mg/dL  |
| Cholesterol                |                                      |            |       |               |        |
| <b>CHE</b>                 | Butyrylthiocolin                     | 1 1401     | 5700  | 4674 - 6726   | U/L    |
| Cholinesterase             |                                      |            |       |               |        |
| <b>CK</b>                  | DGKC, IFCC 37 °C                     | 1 1601     | 145   | 116 - 174     | U/L    |
| Creatine kinase            |                                      |            |       |               |        |
| <b>CKMB</b>                | mAK, Immunological method, 37 °C     | 1 1641     | 27.6  | 22.1 - 33.2   | U/L    |
| Creatine kinase            |                                      |            | 0.461 | 0.369 - 0.553 | μkat/L |
| <b>CREA</b>                | Jaffé, without compensation          | 1 1711     | 1.48  | 1.15 - 1.81   | mg/dL  |
| Creatinine                 | Jaffé, with compensation             | 1 1711     | 1.35  | 1.06 - 1.65   | mg/dL  |
| <b>CREAP</b>               | Enzymatic PAP                        | 1 1759     | 1.33  | 1.03 - 1.62   | mg/dL  |
| Creatinine                 |                                      |            |       |               |        |
| <b>GGT</b>                 | IFCC, DGKC 1994 37 °C                | 1 2801     | 30.8  | 24.0 - 37.5   | U/L    |
| γ-Glutamyltransferase      | Szasz 37 °C                          | 1 2801     | 27.2  | 21.2 - 33.2   | U/L    |
| <b>GLDH</b>                | DGKC 1970 37 °C                      | 1 2411     | 12.8  | 10.3 - 15.4   | U/L    |
| Glutamat dehydrogenase     |                                      |            |       |               |        |
| <b>GLUC</b>                | GOD-PAP                              | 1 2500     | 94.6  | 79.4 - 110    | mg/dL  |
| Glucose                    |                                      |            | 5.25  | 4.41 - 6.09   | mmol/L |
| <b>GLUHK</b>               | HK/G6P-DH                            | 1 2511     | 92.7  | 77.9 - 108    | mg/dL  |
| Glucose                    |                                      |            | 5.15  | 4.32 - 5.97   | mmol/L |



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| Short Name / Analyte     | Method                         | Reagent ID | Value | Range         | Unit        |
|--------------------------|--------------------------------|------------|-------|---------------|-------------|
| <b>HDLCD</b>             | Direct, colorimetric           | 1 3561     | 37.5  | 30.0 - 45.1   | mg/dL       |
| HDL-Cholesterol          |                                |            | 0.971 | 0.777 - 1.17  | mmol/L      |
| <b>HBUT21</b>            | $\beta$ -HBDH 37 °C            | 1 3711     | 0.319 | 0.255 - 0.383 | mmol/L      |
| $\beta$ -Hydroxybutyrate |                                |            | 3.32  | 2.66 - 3.99   | mg/dL       |
| <b>IGA</b>               | Immunoturbidimetric            | 1 7202     | 171   | 130 - 213     | mg/dL       |
| Immunoglobulin A         |                                |            |       |               |             |
| <b>IGE</b>               | Immunoturbidimetric            | 1 7239     | 70.3  | 56.3 - 84.4   | IU/mL       |
| Immunoglobulin E         |                                |            |       |               |             |
| <b>IGG</b>               | Immunoturbidimetric            | 1 7212     | 830   | 664 - 996     | mg/dL       |
| Immunoglobulin G         |                                |            |       |               |             |
| <b>IGM</b>               | Immunoturbidimetric            | 1 7222     | 75.0  | 54.0 - 96.0   | mg/dL       |
| Immunoglobulin M         |                                |            |       |               |             |
| <b>FE</b>                | Ferene                         | 1 1911     | 79.3  | 68.2 - 90.4   | $\mu$ g/dL  |
| Iron                     |                                |            |       |               |             |
| <b>LACT</b>              | LDH UV                         | 1 4001     | 13.1  | 10.4 - 15.9   | mg/dL       |
| Lactate                  |                                |            |       |               |             |
| <b>LDH21</b>             | IFCC, modified                 | 1 4251     | 154   | 126 - 181     | U/L         |
| Lactate dehydrogenase    |                                |            |       |               |             |
| <b>LDLCD</b>             | Direct, colorimetric           | 1 4131     | 72.8  | 58.2 - 87.4   | mg/dL       |
| LDL-Cholesterol          |                                |            |       |               |             |
| <b>LPS</b>               | Colorimetric                   | 1 4321     | 47.4  | 37.9 - 56.9   | U/L         |
| Lipase                   |                                |            |       |               |             |
| <b>MG</b>                | Xylidyl blue                   | 1 4610     | 0.856 | 0.719 - 0.992 | mmol/L      |
| Magnesium                |                                |            | 2.08  | 1.75 - 2.41   | mg/dL       |
| <b>PO4</b>               | Molybdate UV , substrate start | 1 5211     | 2.92  | 2.40 - 3.45   | mg/dL       |
| Phosphorus               | Molybdate UV , sample start    | 1 5211     | 3.01  | 2.47 - 3.55   | mg/dL       |
| <b>K enz.</b>            | Enzymatic                      | 1 5221     | 3.97  | 3.61 - 4.32   | mmol/L      |
| Pottasium                |                                |            | 15.5  | 14.1 - 16.9   | mg/dL       |
| <b>Na enz.</b>           | Enzymatic                      | 1 4808     | 119   | 112 - 126     | mmol/L      |
| Sodium                   |                                |            | 274   | 258 - 291     | mg/dL       |
| <b>TP</b>                | Biuret, without sample blank   | 1 2311     | 6.02  | 5.36 - 6.69   | g/dL        |
| Total Protein            | Biuret, with sample blank      | 1 2311     | 5.33  | 4.75 - 5.92   | g/dL        |
| <b>TRF</b>               | Immunoturbidimetric            | 1 7252     | 202   | 161 - 242     | mg/dL       |
| Transferin               |                                |            | 2.02  | 1.61 - 2.42   | g/L         |
| <b>TRIG</b>              | GPO-PAP                        | 1 5710     | 77.1  | 63.2 - 90.9   | mg/dL       |
| Triglycerides            |                                |            | 0.868 | 0.712 - 1.02  | mmol/L      |
| <b>UIBC</b>              | Ferene                         | 1 1921     | 215   | 172 - 258     | $\mu$ g/dL  |
| Unsat.Iron Binding Cap.  |                                |            | 38.5  | 30.8 - 46.2   | $\mu$ mol/L |
| <b>UREA</b>              | Urease UV                      | 1 3101     | 35.8  | 27.9 - 43.7   | mg/dL       |
| Urea                     |                                |            | 5.96  | 4.65 - 7.28   | mmol/L      |
| <b>UA TBH</b>            | TBHBA                          | 1 3021     | 4.76  | 4.09 - 5.43   | mg/dL       |
| Uric Acid                |                                |            | 283   | 244 - 323     | $\mu$ mol/L |
| <b>UA</b>                | TOOS                           | 1 3001     | 4.73  | 4.06 - 5.39   | mg/dL       |
| Uric Acid                |                                |            | 281   | 242 - 320     | $\mu$ mol/L |

# Proline TruLab N

Cat. No. 5 9000 99 88 061 (6 x 5 mL)

LOT

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## Proline-Tokyo Boeki Series

| Short Name / Analyte                         | Method                                    | Reagent ID       | Value        | 1 SD         | Range                      | Unit           |
|----------------------------------------------|-------------------------------------------|------------------|--------------|--------------|----------------------------|----------------|
| <b>ALB</b><br>Albumin                        | Bromcresol green                          | 1 0220           | 3.35         | 0.26         | 2.84 - 3.87                | g/dL           |
| <b>AP</b><br>Alkaline phosphatase            | IFCC 37° C                                | 1 0441           | 61.7         | 5.14         | 51.4 - 71.9                | U/L            |
| <b>ALT/GPT</b><br>Alanine aminotransferase   | without pyridoxal phosphate 37 °C         | 1 2701           | 48.9         | 3.75         | 41.4 - 56.4                | U/L            |
| <b>AST/GOT</b><br>Aspartate aminotransferase | without pyridoxal phosphate 37 °C         | 1 2601           | 35.0         | 2.68         | 29.6 - 40.3                | U/L            |
| <b>DBIL</b><br>Direct Bilirubin              | DCA                                       | 1 0821           | 0.71         | 0.06         | 0.58 - 0.83                | mg/dL          |
| <b>TBIL</b><br>Total Bilirubin               | DCA                                       | 1 0811           | 1.26         | 0.11         | 1.04 - 1.47                | mg/dL          |
| <b>CHOL</b><br>Cholesterol                   | CHOD-PAP                                  | 1 1300           | 134          | 6.27         | 122 - 147                  | mg/dL          |
| <b>CREA</b><br>Creatinine                    | Jaffé, with compensation<br>Enzymatic PAP | 1 1711<br>1 1759 | 1.36<br>1.35 | 0.10<br>0.10 | 1.16 - 1.56<br>1.15 - 1.55 | mg/dL<br>mg/dL |
| <b>GGT</b><br>γ-Glutamyltransferase          | IFCC, DGKC 1994 37 °C                     | 1 2801           | 31.9         | 2.34         | 27.3 - 36.6                | U/L            |
| <b>GLUC</b><br>Glucose                       | GOD-PAP<br>HK/G6P-DH                      | 1 2500<br>1 2511 | 96.4<br>94.8 | 5.14<br>5.06 | 86.1 - 107<br>84.7 - 104.9 | mg/dL<br>mg/dL |
| <b>TP</b><br>Total Protein                   | Biuret, with sample blank                 | 1 2311           | 5.35         | 0.20         | 4.96 - 5.75                | g/dL           |
| <b>TRIG</b><br>Triglycerides                 | GPO-PAP                                   | 1 5710           | 78.3         | 4.7          | 68.9 - 87.7                | mg/dL          |
| <b>UREA</b><br>Urea                          | Urease UV                                 | 1 3101           | 34.1         | 2.50         | 29.1 - 39.1                | mg/dL          |
| <b>UA</b><br>Uric Acid                       | TBHBA                                     | 1 3021           | 4.92         | 0.23         | 4.46 - 5.38                | mg/dL          |

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