

# Proline TruLab N

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

**LOT**

**36870**



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**6-30-2027**

**IVD**

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Value sheet version : 3

| Short Name / Analyte               | Method                               | Reagent ID | Value | Range         | Unit   |
|------------------------------------|--------------------------------------|------------|-------|---------------|--------|
| <b>ALB</b>                         | Bromcresol green                     | 1 0220     | 3.31  | 2.55 - 4.07   | g/dL   |
| Albumin                            |                                      |            | 33.1  | 25.5 - 40.7   | g/L    |
| <b>AP</b>                          | IFCC 37 °C                           | 1 0441     | 64.6  | 48.4 - 80.7   | U/L    |
| Alkaline phosphatase               |                                      |            | 1.08  | 0.807 - 1.34  | µkat/L |
| <b>ALT/GPT</b>                     | IFCC, with pyridoxal phosphate 37 °C | 1 2701 +   | 44.9  | 34.6 - 55.2   | U/L    |
| Alanine aminotransferase           | without pyridoxal phosphate 37 °C    | 1 2701     | 46.0  | 35.4 - 56.5   | U/L    |
| <b>AST/GOT</b>                     | IFCC, with pyridoxal phosphate 37 °C | 1 2601     | 34.0  | 26.2 - 41.8   | U/L    |
| Aspartate aminotransferase         | without pyridoxal phosphate 37 °C    | 1 2601     | 34.0  | 26.2 - 41.9   | U/L    |
| <b>AMY</b>                         | EPS-G7                               | 1 0501     | 66.3  | 53.0 - 79.6   | U/L    |
| Amylase                            |                                      |            | 1.11  | 0.884 - 1.33  | µkat/L |
| <b>PAMY</b>                        | EPS-G7                               | 1 0551     | 26.2  | 20.9 - 31.4   | U/L    |
| Pancreatic amylase                 |                                      |            | 0.436 | 0.349 - 0.524 | µkat/L |
| <b>APOA1</b>                       | Immunoturbidimetric                  | 1 7102     | 127   | 102 - 153     | mg/dL  |
| Apolipoprotein A1                  |                                      |            | 1.27  | 1.02 - 1.53   | g/L    |
| <b>APOB</b>                        | Immunoturbidimetric                  | 1 7112     | 66.4  | 53.1 - 79.7   | mg/dL  |
| Apolipoprotein B                   |                                      |            | 0.664 | 0.531 - 0.797 | g/L    |
| <b>BILE</b>                        | Enzymatic cycling method             | 1 2238     | 8.00  | 6.40 - 9.60   | µmol/L |
| Total Bile Acids                   |                                      |            |       |               |        |
| <b>DBIL</b>                        | DCA                                  | 1 0821     | 0.724 | 0.536 - 0.912 | mg/dL  |
| Direct Bilirubin                   |                                      |            | 12.4  | 9.16 - 15.6   | µmol/L |
| <b>TBIL</b>                        | DCA                                  | 1 0811     | 1.19  | 0.882 - 1.5   | mg/dL  |
| Total Bilirubin                    |                                      |            | 20.4  | 15.1 - 25.7   | µmol/L |
| <b>CA</b>                          | Arsenazo                             | 1 1130     | 2.00  | 1.78 - 2.22   | mmol/L |
| Calcium                            |                                      |            | 8.01  | 7.13 - 8.89   | mg/dL  |
|                                    | Phosphonazo                          | 1 1181     | 2.13  | 1.9 - 2.37    | mmol/L |
|                                    |                                      |            | 8.55  | 7.61 - 9.49   | mg/dL  |
| <b>CL</b>                          | Colorimetric                         | 1 1221     | 101   | 91.9 - 110    | mmol/L |
| Chloride                           |                                      |            | 358   | 326 - 390     | mg/dL  |
| <b>CHOL</b>                        | CHOD-PAP                             | 1 1300     | 127   | 109 - 144     | mg/dL  |
| Cholesterol                        |                                      |            | 3.27  | 2.81 - 3.73   | mmol/L |
| <b>CHE</b>                         | Butyrylthiocolin                     | 1 1401     | 5583  | 4578 - 6587   | U/L    |
| Cholinesterase                     |                                      |            | 93    | 76.3 - 110    | µkat/L |
| <b>CK</b>                          | DGKC, IFCC 37 °C                     | 1 1601     | 138   | 111 - 166     | U/L    |
| Creatine kinase                    |                                      |            | 2.3   | 1.84 - 2.77   | µkat/L |
| <b>CKMB</b>                        | mAK, Immunological method, 37 °C     | 1 1641     | 29    | 23.2 - 34.8   | U/L    |
| Creatine kinase                    |                                      |            | 0.483 | 0.387 - 0.58  | µkat/L |
| <b>CREA</b>                        | Jaffé, without compensation          | 1 1711     | 1.55  | 1.21 - 1.89   | mg/dL  |
| Creatinine                         | Jaffé, with compensation             | 1 1711     | 1.44  | 1.12 - 1.75   | mg/dL  |
|                                    | Enzymatic PAP                        | 1 1759     | 1.41  | 1.1 - 1.72    | mg/dL  |
| <b>GGT</b>                         | IFCC, DGKC 1994 37 °C                | 1 2801     | 28.1  | 22 - 34.3     | U/L    |
|                                    |                                      |            | 0.469 | 0.366 - 0.572 | µkat/L |
| $\gamma$ -Glutamyltransferase      | Szasz 37 °C                          | 1 2801     | 24.9  | 19.4 - 30.4   | U/L    |
|                                    |                                      |            | 0.415 | 0.324 - 0.506 | µkat/L |
| <b>GLDH</b>                        | DGKC 1970 37 °C                      | 1 2411     | 13.0  | 10.4 - 15.6   | U/L    |
| Glutamyl dehydrogenase             |                                      |            | 0.217 | 0.173 - 0.26  | µkat/L |
| <b>GLUC</b>                        | GOD-PAP                              | 1 2500     | 113   | 94.7 - 131    | mg/dL  |
| Glucose                            | HK/G6P-DH                            | 1 2511     | 111   | 93 - 128      | mg/dL  |
| <b>HBDH</b>                        | DGKC 37 °C                           | 1 3201     | 123   | 98.6 - 148    | U/L    |
| $\alpha$ -Hydroxybutyrate dehydro. |                                      |            | 2.05  | 1.64 - 2.47   | µkat/L |
| <b>HDLC</b>                        | Direct, colorimetric                 | 1 3561     | 39.8  | 31.8 - 47.8   | mg/dL  |
| HDL-Cholesterol                    |                                      |            | 1.03  | 0.823 - 1.23  | mmol/L |

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|--------------------------|---------------------------------|------------|-------|---------------|-------------|
| <b>HBUT</b>              | $\beta$ -HBDH / Diaphorase 37°C | 1 3701     | 0.38  | 0.30 - 0.45   | mmol/L      |
| $\beta$ -Hydroxybutyrate |                                 |            | 3.92  | 3.14 - 4.17   | mg/dL       |
|                          | $\beta$ -HBDH 37°C              | 1 3711     | 0.38  | 0.31 - 0.458  | mmol/L      |
|                          |                                 |            | 3.97  | 3.18 - 4.76   | mg/dL       |
| <b>IgA</b>               | Immunoturbidimetric             | 1 7202     | 155   | 117 - 192     | mg/dL       |
| Immunoglobulin A         |                                 |            | 1.55  | 1.17 - 1.92   | g/L         |
| <b>IgE</b>               | Immunoturbidimetric             | 1 7239     | 67.3  | 53.8 - 80.7   | IU/mL       |
| Immunoglobulin E         |                                 |            | 161   | 129 - 194     | ng/mL       |
| <b>IgG</b>               | Immunoturbidimetric             | 1 7212     | 775   | 620 - 930     | mg/dL       |
| Immunoglobulin G         |                                 |            | 7.75  | 6.20 - 9.30   | g/L         |
| <b>IgM</b>               | Immunoturbidimetric             | 1 7222     | 70.8  | 51.0 - 90.6   | mg/dL       |
| Immunoglobulin M         |                                 |            | 0.71  | 0.51 - 0.906  | g/L         |
| <b>FE</b>                | Ferene                          | 1 1911     | 72.0  | 61.9 - 82.0   | $\mu$ g/dL  |
| Iron                     |                                 |            | 12.9  | 11.1 - 14.7   | $\mu$ mol/L |
| <b>LACT</b>              | LDH UV                          | 1 4001     | 13.6  | 10.7 - 16.4   | mg/dL       |
| Lactate                  |                                 |            | 1.51  | 1.19 - 1.82   | mmol/L      |
| <b>LDH</b>               | IFCC, modified                  | 1 4251     | 140   | 115 - 166     | U/L         |
| Lactate dehydrogenase    |                                 |            | 2.34  | 1.92 - 2.76   | $\mu$ kat/L |
|                          | DGKC opt. 1970 37°C             | 1 4201     | 224   | 184 - 264     | U/L         |
|                          |                                 |            | 3.73  | 3.06 - 4.41   | $\mu$ kat/L |
| <b>LDLC</b>              | Direct, colorimetric            | 1 4131     | 70.4  | 56.4 - 84.5   | mg/dL       |
| LDL-Cholesterol          |                                 |            | 1.82  | 1.46 - 2.19   | mmol/L      |
| <b>LPS</b>               | Colorimetric                    | 1 4321     | 63.2  | 50.6 - 75.9   | U/L         |
| Lipase                   |                                 |            | 1.05  | 0.84 - 1.26   | $\mu$ kat/L |
| <b>MG</b>                | Xylidyl blue                    | 1 4610     | 0.89  | 0.75 - 1.03   | mmol/L      |
| Magnesium                |                                 |            | 2.16  | 1.81 - 2.50   | mg/dL       |
| <b>PO3</b>               | Molybdate UV, substrate start   | 1 5211     | 2.25  | 1.85 - 2.66   | mg/dL       |
| Phosphorus               |                                 |            | 0.73  | 0.60 - 0.858  | mmol/L      |
|                          | Molybdate UV, sample start      | 1 5211     | 2.39  | 1.96 - 2.82   | mg/dL       |
|                          |                                 |            | 0.77  | 0.63 - 0.91   | mmol/L      |
| <b>K</b>                 | Enzymatic                       | 1 5221     | 4.39  | 4.00 - 4.79   | mmol/L      |
| Potassium                |                                 |            | 17.2  | 15.6 - 18.7   | mg/dL       |
| <b>Na</b>                | Enzymatic                       | 1 4808     | 114   | 107 - 121     | mmol/L      |
| Sodium                   |                                 |            | 262   | 247 - 278     | mg/dL       |
| <b>TP</b>                | Biuret, without sample blank    | 1 2311     | 5.87  | 5.22 - 6.51   | g/dL        |
| Total Protein            |                                 |            | 58.7  | 52.2 - 65.1   | g/L         |
|                          | Biuret, with sample blank       | 1 2311     | 5.25  | 4.67 - 5.82   | g/dL        |
|                          |                                 |            | 52.5  | 46.7 - 58.2   | g/L         |
| <b>TRF</b>               | Immunoturbidimetric             | 1 7252     | 197   | 157 - 236     | mg/dL       |
| Transferrin              |                                 |            | 1.97  | 1.57 - 2.36   | g/L         |
| <b>TRIG</b>              | GPO-PAP                         | 1 5710     | 69.0  | 56.6 - 81.5   | mg/dL       |
| Triglycerides            |                                 |            | 0.78  | 0.637 - 0.917 | mmol/L      |
| <b>UIBC</b>              | Ferene                          | 1 1921     | 215   | 172 - 258     | $\mu$ g/dL  |
| Unsat. Iron Binding Cap. |                                 |            | 38.4  | 30.8 - 46.1   | $\mu$ mol/L |
| <b>UREA</b>              | Urease UV                       | 1 3101     | 32.1  | 25.0 - 39.2   | mg/dL       |
| Urea                     |                                 |            | 5.35  | 4.17 - 6.52   | mmol/L      |
| <b>UA</b>                | TBHBA                           | 1 3021     | 4.67  | 4.01 - 5.32   | mg/dL       |
| Uric Acid                |                                 |            | 278   | 239 - 317     | $\mu$ mol/L |
|                          | TOOS                            | 1 3001     | 4.65  | 4.00 - 5.31   | mg/dL       |
|                          |                                 |            | 277   | 238 - 316     | $\mu$ mol/L |

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Value sheet version : 3

## Proline-Tokyo Boeki Series

| Short Name / Analyte                         | Method                            | Reagent ID | Value | 1 SD | Range       | Unit  |
|--|-----------------------------------|------------|-------|------|-------------|-------|
| <b>ALB</b><br>Albumin                        | Bromocresol green                 | 1 0220     | 3.37  | 0.26 | 2.85 - 3.89 | g/dL  |
| <b>AP</b><br>Alkaline phosphatase            | IFCC 37° C                        | 1 0441     | 62.2  | 5.18 | 51.8 - 72.5 | U/L   |
| <b>ALT/GPT</b><br>Alanine aminotransferase   | without pyridoxal phosphate 37° C | 1 2701     | 44.9  | 3.44 | 38.0 - 51.8 | U/L   |
| <b>AST/GOT</b><br>Aspartate aminotransferase | without pyridoxal phosphate 37° C | 1 2601     | 33.6  | 2.57 | 28.4 - 38.7 | U/L   |
| <b>DBIL</b><br>Direct Bilirubin              | DCA                               | 1 0821     | 0.75  | 0.06 | 0.62 - 0.88 | mg/dL |
| <b>TBIL</b><br>Total Bilirubin               | DCA                               | 1 0811     | 1.15  | 0.10 | 0.95 - 1.34 | mg/dL |
| <b>CHOL</b><br>Cholesterol                   | CHOD-PAP                          | 1 1300     | 127   | 5.92 | 115 - 139   | mg/dL |
| <b>CREA</b><br>Creatinine                    | Jaffé, with compensation          | 1 1711     | 1.47  | 0.11 | 1.25 - 1.68 | mg/dL |
|  | Enzymatic PAP                     | 1 1759     | 1.46  | 0.11 | 1.25 - 1.6  | mg/dL |
| <b>GGT</b><br>$\gamma$ -Glutamyltransferase  | IFCC, DGKC 1994 37°C              | 1 2801     | 29.1  | 2.13 | 24.8 - 33.3 | U/L   |
| <b>GLUC</b><br>Glucose                       | GOD-PAP                           | 1 2500     | 115   | 6.15 | 103 - 128   | mg/dL |
|  | HK/G6P-DH                         | 1 2511     | 114   | 6.08 | 102 - 126   | mg/dL |
| <b>TP</b><br>Total Protein                   | Biuret, with sample blank         | 1 2311     | 5.45  | 0.2  | 5.05 - 5.85 | g/dL  |
| <b>TRIG</b><br>Triglycerides                 | GPO-PAP                           | 1 5760     | 68.1  | 4.08 | 59.9 - 76.2 | mg/dL |
| <b>UREA</b><br>Urea                          | Urease UV                         | 1 3101     | 31.4  | 2.3  | 26.8 - 36.0 | mg/dL |
| <b>UA</b><br>Uric Acid                       | TBHBA                             | 1 3021     | 4.86  | 0.23 | 4.40 - 5.31 | mg/dL |

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