

Updated sheets: www.proline.co.id/document/

Value sheet version: 3

| Short Name / Analyte | Method | Reagent ID | Value | Range | Unit |
|--|-------------------------------------|--------------------|---------------|------------------------------|-----------------|
| ALB Albumin | Bromcresol green | 1 0220 | 3.58 35.8 | 2.75 - 4.40 27.5 - 44.0 | g/dL g/L |
| AP Alkaline phosphatase | IFCC 37 °C | 1 0441 | 63.2 1.05 | 47.4 - 79.0 0.790 - 1.32 | U/L µkat/L |
| | DGKC 1970 37°C | 1 0401 | 111 1.84 | 82.9 - 138 1.38 - 2.30 | U/L µkat/L |
| ALT/GPT Alanine aminotransferase | IFCC, with pyridoxal phosphate 37°C | 1 2701 + 2 5010 | 48.5 | 37.4 - 59.7 | U/L |
| | without pyridoxal phosphate 37°C | 1 2701 | 48.2 | 37.1 - 59.7 | U/L |
| AST/GOT Aspartate aminotransferase | IFCC, with pyridoxal phosphate 37°C | 1 2601 + 2 5010 | 38.2 | 29.4 - 47.0 | U/L |
| | without pyridoxal phosphate 37°C | 1 2601 | 39.9 | 30.7 - 49.0 | U/L |
| AMY Amylase | EPS G-7 | 1 0501 | 71.0 1.18 | 56.8 - 85.2 0.947 - 1.42 | U/L µkat/L |
| PAMY Pancreatic amylase | EPS G-7 | 1 0551 | 29.2 0.487 | 23.4 - 35.1 0.390 - 0.584 | U/L µkat/L |
| APOA1 Apolipoprotein A1 | Immunoturbidimetric | 1 7102 | 132 1.32 | 105 - 158 1.05 - 1.58 | mg/dL g/L |
| APOB Apolipoprotein B | Immunoturbidimetric | 1 7112 | 71.9 0.719 | 57.5 - 86.2 0.575 - 0.862 | mg/dL g/L |
| BILE Total Bile Acids | Enzymatic cycling method | 1 2238 | 9.70 | 7.76 - 11.6 | µmol/L |
| DBIL Direct Bilirubin | DCA | 1 0821 | 0.876 15.0 | 0.648 - 1.10 11.1 - 18.9 | mg/dL µmol/L |
| | Jendrassik-Grof | 1 0849 | 1.08 18.4 | 0.797 - 1.36 13.6 - 23.2 | mg/dL µmol/L |
| TBIL Total Bilirubin | DCA | 1 0811 | 1.62 27.7 | 1.20 - 2.04 20.5 - 34.9 | mg/dL µmol/L |
| | Jendrassik-Grof | 1 0849 | 1.86 31.7 | 1.37 - 2.34 23.5 - 40.0 | mg/dL µmol/L |
| CA Calcium | Arsenazo | 1 1130 | 2.10 8.44 | 1.87 - 2.34 7.51 - 9.36 | mmol/L mg/dL |
| | Phosphonazo | 1 1181 | 2.21 8.84 | 1.96 - 2.45 7.87 - 9.81 | mmol/L mg/dL |
| CL Chloride | Colorimetric | 1 1221 | 108 384 | 98.5 - 118 349 - 418 | mmol/L mg/dL |
| CHOL Cholesterol | CHOD-PAP | 1 1300 | 145 | 125 - 166 | mg/dL |
| CHE Cholinesterase | Butyrylthiocholin | 1 1401 | 5952 99.2 | 4881 - 7024 81.4 - 117 | U/L µkat/L |
| CK Creatine kinase | DGKC, IFCC 37°C | 1 1601 | 164 2.73 | 131 - 197 2.19 - 3.28 | U/L µkat/L |
| CKMB Creatine kinase | mAK, Immunological method, 37 °C | 1 1641 | 34.7 0.579 | 27.8 - 41.7 0.463 - 0.695 | U/L µkat/L |
| CREA Creatinine | Jaffé, without compensation | 1 1711 | 1.48 | 1.15 - 1.80 | mg/dL |
| | Jaffé, with compensation | 1 1711 | 1.34 | 1.05 - 1.64 | mg/dL |
| | Enzymatic PAP | 1 1759 | 1.33 | 1.04 - 1.62 | mg/dL |
| GGT γ-Glutamyltransferase | IFCC, DGKC 1994 37°C | 1 2801 | 31.8 0.530 | 24.8 - 38.8 0.413 - 0.647 | U/L µkat/L |
| | Szasz 37°C | 1 2801 | 28.1 0.469 | 22.0 - 34.3 0.366 - 0.572 | U/L µkat/L |
| GLDH Glutamat dehydrogenase | DGKC 1970 37 °C | 1 2411 | 13.8 0.230 | 11.1 - 16.6 0.184 - 0.276 | U/L µkat/L |
| GLUC Glucose | GOD-PAP | 1 2500 | 91.4 | 76.8 - 106 | mg/dL |
| | HK/G6P-DH | 1 2511 | 88.9 | 74.7 - 103 | mg/dL |
| HBDH α-Hydroxybutyrate dehydro. | DGKC 37°C | 1 3201 | 126 2.11 | 101 - 152 1.68 - 2.53 | U/L µkat/L |
| HDLC HDL-Cholesterol | Immunoinhibition | 1 3521 | 42.4 1.10 | 34.0 - 50.9 0.878 - 1.32 | mg/dL mmol/L |
| | Direct, colorimetric | 1 3561 | 42.7 1.10 | 34.2 - 51.3 0.884 - 1.33 | mg/dL mmol/L |



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|---|---------------------------------|------------|---------------|------------------------------|-----------------|
| HBUT β-Hydroxybutyrate | β-HBDH / Diaphorase 37°C | 1 3701 | 0.318 3.31 | 0.254 - 0.382 2.65 - 3.97 | mmol/L mg/dL |
| | β-HBDH 37°C | 1 3711 | 0.318 3.31 | 0.254 - 0.382 2.65 - 3.97 | mmol/L mg/dL |
| IgA Immunoglobulin A | Immunoturbidimetric | 1 7202 | 175 1.75 | 133 - 217 1.33 - 2.17 | mg/dL g/L |
| IgE Immunoglobulin E | Immunoturbidimetric | 1 7239 | 71.6 172 | 57.3 - 85.9 137 - 206 | IU/mL ng/mL |
| IgG Immunoglobulin G | Immunoturbidimetric | 1 7212 | 836 8.36 | 669 - 1004 6.69 - 10.0 | mg/dL g/L |
| IgM Immunoglobulin M | Immunoturbidimetric | 1 7222 | 79.1 0.791 | 56.9 - 101 0.569 - 1.01 | mg/dL g/L |
| FE Iron | Ferene | 1 1911 | 79.9 14.3 | 68.7 - 91.1 12.3 - 16.3 | µg/dL µmol/L |
| LACT Lactate | LDH UV | 1 4001 | 11.4 1.26 | 8.99 - 13.8 0.997 - 1.53 | mg/dL mmol/L |
| LDH Lactate dehydrogenase | IFCC, DGKC 1994 37°C | 1 4211 | 148 2.47 | 122 - 175 2.03 - 2.92 | U/L µkat/L |
| | DGKC opt. 1970 37°C | 1 4201 | 248 4.14 | 203 - 293 3.39 - 4.88 | U/L µkat/L |
| | IFCC, modified | 1 4251 | 148 2.47 | 122 - 175 2.03 - 2.92 | U/L µkat/L |
| LDLC LDL-Cholesterol | Homogenous Select, TruCal Lipid | 1 4121 | 79.6 2.06 | 63.7 - 95.5 1.65 - 2.47 | mg/dL mmol/L |
| | Direct, colorimetric | 1 4131 | 79.0 2.04 | 63.2 - 94.8 1.63 - 2.45 | mg/dL mmol/L |
| LPS Lipase | Colorimetric | 1 4321 | 50.7 0.845 | 40.5 - 60.8 0.676 - 1.01 | U/L µkat/L |
| | | | 0.845 | 0.676 - 1.01 | µkat/L |
| MG Magnesium | Xylidyl blue | 1 4610 | 0.808 1.96 | 0.679 - 0.938 1.65 - 2.28 | mmol/L mg/dL |
| PL Phospholipids | Enzymatic | 1 5741 | 163 2.11 | 131 - 196 1.69 - 2.53 | mg/dL mmol/L |
| PO3 Phosphorus | Molybdate UV, substrate start | 1 5211 | 2.98 0.962 | 2.44 - 3.52 0.789 - 1.14 | mg/dL mmol/L |
| | Molybdate UV, sample start | 1 5211 | 3.02 0.976 | 2.48 - 3.57 0.801 - 1.15 | mg/dL mmol/L |
| K Potassium | Enzymatic | 1 5221 | 4.24 16.6 | 3.86 - 4.63 15.1 - 18.1 | mmol/L mg/dL |
| Na Sodium | Enzymatic | 1 4808 | 121 278 | 114 - 128 261 - 295 | mmol/L mg/dL |
| TP Total Protein | Biuret, without sample blank | 1 2311 | 6.31 63.1 | 5.61 - 7.00 56.1 - 70.0 | g/dL g/L |
| | Biuret, with sample blank | 1 2311 | 5.63 56.3 | 5.01 - 6.25 50.1 - 62.5 | g/dL g/L |
| TRF Transferrin | Immunoturbidimetric | 1 7252 | 213 2.13 | 170 - 255 1.70 - 2.55 | mg/dL g/L |
| TRIG Triglycerides | GPO-PAP | 1 5760 | 80.5 0.906 | 66.0 - 95.0 0.743 - 1.07 | mg/dL mmol/L |
| | | | 0.906 | 0.743 - 1.07 | mmol/L |
| UIBC Unsat. Iron Binding Cap. | Ferene | 1 1921 | 228 40.8 | 182 - 273 32.6 - 48.9 | µg/dL µmol/L |
| UREA Urea | Urease UV | 1 3101 | 34.2 5.69 | 26.7 - 41.7 4.44 - 6.95 | mg/dL mmol/L |
| | Colorimetric, Berthelot | 1 3115 | 33.7 5.61 | 26.3 - 41.1 4.37 - 6.84 | mg/dL mmol/L |
| UA Uric Acid | TBHBA | 1 3021 | 4.99 297 | 4.29 - 5.69 255 - 338 | mg/dL µmol/L |
| | TOOS | 1 3001 | 5.00 298 | 4.30 - 5.70 256 - 339 | mg/dL µmol/L |

PROLINE^b Trulab N

Cat. No. 5 9000 99 10 061 (6 x 5 mL)

LOT 33772

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| Proline-Tokyo Boeki Series | | | | | | |
|--|-----------------------------------|------------|-------|------|-------------|-------|
| Short Name / Analyte | Method | Reagent ID | Value | 1 SD | Range | Unit |
| ALB Albumin | Bromocresol green | 1 0220 | 3.47 | 0.27 | 2.93 - 4.00 | g/dL |
| AP Alkaline phosphatase | IFCC 37° C | 1 0441 | 59.0 | 4.91 | 49.1 - 68.8 | U/L |
| ALT/GPT Alanine aminotransferase | without pyridoxal phosphate 37° C | 1 2701 | 47.6 | 3.65 | 40.3 - 54.9 | U/L |
| AST/GOT Aspartate aminotransferase | without pyridoxal phosphate 37° C | 1 2601 | 39.1 | 3.00 | 33.1 - 45.1 | U/L |
| DBIL Direct Bilirubin | DCA | 1 0821 | 0.89 | 0.08 | 0.74 - 1.05 | mg/dL |
| TBIL Total Bilirubin | DCA | 1 0811 | 1.59 | 0.14 | 1.31 - 1.86 | mg/dL |
| CHOL Cholesterol | CHOD-PAP | 1 1300 | 145 | 6.76 | 131 - 158 | mg/dL |
| CREA Creatinine | Jaffé, with compensation | 1 1711 | 1.27 | 0.09 | 1.09 - 1.46 | mg/dL |
| | Enzymatic PAP | 1 1759 | 1.39 | 0.10 | 1.19 - 1.60 | mg/dL |
| GGT γ-Glutamyltransferase | IFCC, DGKC 1994 37°C | 1 2801 | 28.7 | 2.10 | 24.4 - 32.9 | U/L |
| GLUC Glucose | GOD-PAP | 1 2500 | 91.1 | 4.86 | 81.3 - 101 | mg/dL |
| | HK/G6P-DH | 1 2511 | 92.0 | 4.90 | 82.1 - 102 | mg/dL |
| TP Total Protein | Biuret, with sample blank | 1 2311 | 5.48 | 0.20 | 5.07 - 5.88 | g/dL |
| TRIG Triglycerides | GPO-PAP | 1 5760 | 84.3 | 5.06 | 74.2 - 94.4 | mg/dL |
| UREA Urea | Urease UV | 1 3101 | 34.0 | 2.49 | 29.0 - 39.0 | mg/dL |
| UA Uric Acid | TBHBA | 1 3021 | 5.00 | 0.23 | 4.53 - 5.46 | mg/dL |

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