

# Proline TruLab N

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

**LOT** 36870



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30/06/2027



Updated sheets: [www.proline.co.id/document/](http://www.proline.co.id/document/)

Value sheet version: 3

Short Name / Analyte	Method	Reagent ID	Value	Range	Unit
<b>ALB</b> Albumin	Bromcresol green	1 0220	3.31 33.1	2.55 - 4.07 25.5 - 40.7	g/dL g/L
<b>AP</b> Alkaline phosphatase	IFCC 37 °C	1 0441	64.6 1.08	48.4 - 80.7 0.807 - 1.34	U/L µkat/L
<b>ALT/GPT</b> Alanine aminotransferase	IFCC, with pyridoxal phosphate 37°C without pyridoxal phosphate 37°C	1 2701 + 1 2701	47.2 47.9	36.3 - 58.0 36.9 - 59.0	U/L U/L
<b>AST/GOT</b> Aspartate aminotransferase	IFCC, with pyridoxal phosphate 37°C without pyridoxal phosphate 37°C	1 2601 + 1 2601	34.7 35.2	26.8 - 42.7 27.1 - 43.3	U/L U/L
<b>AMY</b> Amylase	EPS G-7	1 0501	66.3 1.11	53.0 - 79.6 0.884 - 1.33	U/L µkat/L
<b>PAMY</b> Pancreatic amylase	EPS G-7	1 0551	26.2 0.436	20.9 - 31.4 0.349 - 0.524	U/L µkat/L
<b>APOA1</b> Apolipoprotein A1	Immunoturbidimetric	1 7102	127 1.27	102 - 153 1.02 - 1.53	mg/dL g/L
<b>APOB</b> Apolipoprotein B	Immunoturbidimetric	1 7112	66.4 0.664	53.1 - 79.7 0.531 - 0.797	mg/dL g/L
<b>BILE</b> Total Bile Acids	Enzymatic cycling method	1 2238	8.00	6.4 - 9.6	µmol/L
<b>DBIL</b> Direct Bilirubin	DCA	1 0821	0.787 13.5	0.583 - 0.992 10.0 - 17.0	mg/dL µmol/L
<b>TBIL</b> Total Bilirubin	DCA	1 0811	1.26 21.6	0.936 - 1.59 16.0 - 27.3	mg/dL µmol/L
<b>CA</b> Calcium	Arsenazo Phosphonazo	1 1130 1 1181	2.00 8.01 2.13 8.55	1.78 - 2.22 7.13 - 8.89 1.90 - 2.37 7.61 - 9.49	mmol/L mg/dL mmol/L mg/dL
<b>CL</b> Chloride	Colorimetric	1 1221	101 358	91.9 - 110 326 - 390	mmol/L mg/dL
<b>CHOL</b> Cholesterol	CHOD-PAP	1 1300	132	113 - 150	mg/dL
<b>CHE</b> Cholinesterase	Butyrylthiocholin	1 1401	5583 93.0	4578 - 6587 76.3 - 110	U/L µkat/L
<b>CK</b> Creatine kinase	DGKC, IFCC 37°C	1 1601	138 2.30	111 - 166 1.84 - 2.77	U/L µkat/L
<b>CKMB</b> Creatine kinase	mAK, Immunological method, 37 °C	1 1641	31.0 0.517	24.8 - 37.2 0.414 - 0.620	U/L µkat/L
<b>CREA</b> Creatinine	Jaffé, without compensation Jaffé, with compensation Enzymatic PAP	1 1711 1 1711 1 1759	1.55 1.44 1.41	1.21 - 1.89 1.12 - 1.75 1.10 - 1.72	mg/dL mg/dL mg/dL
<b>GGT</b> γ-Glutamyltransferase	IFCC, DGKC 1994 37°C Szasz 37°C	1 2801 1 2801	28.1 0.469 24.9 0.415	22.0 - 34.3 0.366 - 0.572 19.4 - 30.4 0.324 - 0.506	U/L µkat/L U/L µkat/L
<b>GLDH</b> Glutamat dehydrogenase	DGKC 1970 37 °C	1 2411	14.3 0.238	11.4 - 17.1 0.190 - 0.286	U/L µkat/L
<b>GLUC</b> Glucose	GOD-PAP HK/G6P-DH	1 2500 1 2511	113 111	94.7 - 131 93.0 - 128	mg/dL mg/dL
<b>HBDH</b> α-Hydroxybutyrate dehydro.	DGKC 37°C	1 3201	123 2.05	98.6 - 148 1.64 - 2.47	U/L µkat/L
<b>HDLC</b> HDL-Cholesterol	Direct, colorimetric	1 3561	39.8 1.03	31.8 - 47.8 0.823 - 1.23	mg/dL mmol/L

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<b>HBUT</b> β-Hydroxybutyrate	β-HBDH / Diaphorase 37°C	1 3701	0.377 3.92	0.301 - 0.452 3.14 - 4.17	mmol/L mg/dL		
	β-HBDH 37°C	1 3711	0.381 3.97	0.305 - 0.458 3.18 - 4.76	mmol/L mg/dL		
<b>IgA</b> Immunoglobulin A	Immunoturbidimetric	1 7202	155 1.55	117 - 192 1.17 - 1.92	mg/dL g/L		
<b>IgE</b> Immunoglobulin E	Immunoturbidimetric	1 7239	67.3 161	53.8 - 80.7 129 - 194	IU/mL ng/mL		
			<b>IgG</b> Immunoglobulin G	1 7212	775 7.75	620 - 930 6.20 - 9.30	mg/dL g/L
<b>IgM</b> Immunoglobulin M	Immunoturbidimetric	1 7222	70.8 0.708	51.0 - 90.6 0.510 - 0.906	mg/dL g/L		
			<b>FE</b> Iron	1 1911	72.0 12.9	61.9 - 82.0 11.1 - 14.7	µg/dL µmol/L
<b>LACT</b> Lactate	LDH UV	1 4001	13.6 1.51	10.72 - 16.4 1.19 - 1.82	mg/dL mmol/L		
			<b>LDH</b> Lactate dehydrogenase	IFCC, modified	1 4251	140 2.34	115 - 166 1.92 - 2.76
DGKC opt. 1970 37°C	1 4201	224 3.73				184 - 264 3.06 - 4.41	U/L µkat/L
	<b>LDLC</b> LDL-Cholesterol	1 4131				70.4 1.82	56.4 - 84.5 1.46 - 2.19
<b>LPS</b> Lipase	Colorimetric	1 4321	63.2 1.05	50.6 - 75.9 0.843 - 1.26	U/L µkat/L		
			<b>MG</b> Magnesium	Xylidyl blue	1 4610	0.888 2.16	0.746 - 1.03 1.81 - 2.50
<b>PO3</b> Phosphorus	Molybdate UV, substrate start	1 5211				2.25 0.727	1.85 - 2.66 0.596 - 0.858
			Molybdate UV, sample start	1 5211	2.39 0.771	1.96 - 2.82 0.632 - 0.909	mg/dL mmol/L
					<b>K</b> Potassium	1 5221	4.39 17.2
<b>Na</b> Sodium	Enzymatic	1 4808	114 262	107 - 121 247 - 278	mmol/L mg/dL		
			<b>TP</b> Total Protein	Biuret, without sample blank	1 2311	5.87 58.7	5.22 - 6.51 52.2 - 65.1
Biuret, with sample blank	1 2311	5.25 52.5				4.67 - 5.82 46.7 - 58.2	g/dL g/L
<b>TRF</b> Transferrin	Immunoturbidimetric	1 7252	197 1.97	157 - 236 1.57 - 2.36	mg/dL g/L		
			<b>TRIG</b> Triglycerides	GPO-PAP	1 5710	72.6 0.818	59.5 - 85.7 0.670 - 0.965
<b>UIBC</b> Unsat. Iron Binding Cap.	Ferene	1 1921				215 38.4	172 - 258 30.8 - 46.1
			<b>UREA</b> Urea	Urease UV	1 3101	32.1 5.35	25.0 - 39.2 4.17 - 6.52
<b>UA</b> Uric Acid	TBHBA	1 3021				4.67 278	4.01 - 5.32 239 - 317
			TOOS	1 3001	4.65 277	4.00 - 5.31 238 - 316	mg/dL µmol/L

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## Proline-Tokyo Boeki Series

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<b>ALB</b> Albumin	Bromcresol green	1 0220	3.37	0.26	2.85 - 3.89	g/dL
<b>AP</b> Alkaline phosphatase	IFCC 37° C	1 0441	62.2	5.18	51.8 - 72.5	U/L
<b>ALT/GPT</b> Alanine aminotransferase	without pyridoxal phosphate 37° C	1 2701	49.2	3.78	41.7 - 56.8	U/L
<b>AST/GOT</b> Aspartate aminotransferase	without pyridoxal phosphate 37° C	1 2601	35.7	2.74	30.2 - 41.2	U/L
<b>DBIL</b> Direct Bilirubin	DCA	1 0821	0.76	0.07	0.63 - 0.90	mg/dL
<b>TBIL</b> Total Bilirubin	DCA	1 0811	1.24	0.11	1.03 - 1.46	mg/dL
<b>CHOL</b> Cholesterol	CHOD-PAP	1 1300	133	6.19	120 - 145	mg/dL
<b>CREA</b> Creatinine	Jaffé, with compensation Enzymatic PAP	1 1711 1 1759	1.47 1.46	0.11 0.11	1.25 - 1.68 1.25 - 1.60	mg/dL mg/dL
<b>GGT</b> γ-Glutamyltransferase	IFCC, DGKC 1994 37°C	1 2801	29.1	2.13	24.8 - 33.3	U/L
<b>GLUC</b> Glucose	GOD-PAP HK/G6P-DH	1 2500 1 2511	115.2 114.1	6.15 6.08	102.9 - 128 101.9 - 126	mg/dL mg/dL
<b>TP</b> Total Protein	Biuret, with sample blank	1 2311	5.45	0.20	5.05 - 5.85	g/dL
<b>TRIG</b> Triglycerides	GPO-PAP	1 5760	70.8	4.25	62.3 - 79.3	mg/dL
<b>UREA</b> Urea	Urease UV	1 3101	31.4	2.30	26.8 - 36.0	mg/dL
<b>UA</b> Uric Acid	TBHBA	1 3021	4.86	0.23	4.40 - 5.31	mg/dL

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