



31/03/2026



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

Value sheet version: 3

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

Proline TruLab N

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

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Short Name / Analyte	Method	Reagent ID	Value	Range	Unit
HBUT β-Hydroxybutyrate	β-HBDH / Diaphorase 37°C	1 3701	0.318	0.254 - 0.382	mmol/L
			3.31	2.65 - 3.97	mg/dL
	β-HBDH 37°C	1 3711	0.318	0.254 - 0.382	mmol/L
			3.31	2.65 - 3.97	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	122 - 175	U/L
			2.47	2.03 - 2.92	µkat/L
	DGKC opt. 1970 37°C	1 4201	248	203 - 293	U/L
			4.14	3.39 - 4.88	µkat/L
	IFCC, modified	1 4251	148	122 - 175	U/L
			2.47	2.03 - 2.92	µkat/L
LDLC LDL-Cholesterol	Homogenous Select, TruCal Lipid	1 4121	79.6	63.7 - 95.5	mg/dL
			2.06	1.65 - 2.47	mmol/L
	Direct, colorimetric	1 4131	79.0	63.2 - 94.8	mg/dL
			2.04	1.63 - 2.45	mmol/L
LPS Lipase	Colorimetric	1 4321	50.7 0.845	40.5 - 60.8 0.676 - 1.01	U/L 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	2.44 - 3.52	mg/dL
			0.962	0.789 - 1.14	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	5.61 - 7.00	g/dL
			63.1	56.1 - 70.0	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	66.0 - 95.0	mg/dL
			1 5710	0.906	0.743 - 1.07
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	26.7 - 41.7	mg/dL
			5.69	4.44 - 6.95	mmol/L
	Colorimetric, Berthelot	1 3115	33.7	26.3 - 41.1	mg/dL
			5.61	4.37 - 6.84	mmol/L
UA Uric Acid	TBHBA	1 3021	4.99	4.29 - 5.69	mg/dL
			297	255 - 338	µmol/L
	TOOS	1 3001	5.00	4.30 - 5.70	mg/dL
			298	256 - 339	µmol/L

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

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Proline-Tokyo Boeki Series

Short Name / Analyte	Method	Reagent ID	Value	1 SD	Range	Unit
ALB Albumin	Bromcresol 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 Enzymatic PAP	1 1711 1 1759	1.27 1.39	0.09 0.10	1.09 - 1.46 1.19 - 1.60	mg/dL 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 HK/G6P-DH	1 2500 1 2511	91.1 92.0	4.86 4.90	81.3 - 101 82.1 - 102	mg/dL 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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