



30/06/2027

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

Value sheet version: 2

Short Name / Analyte	Method	Reagent ID	Value	Range			Unit
ALB	Bromocresol green	1 0220	3.31	2.55	-	4.07	g/dL
Albumin			33.1	25.5	-	40.7	g/L
AP	IFCC 37 °C	1 0441	64.6	48.4	-	80.7	U/L
Alkaline phosphatase			1.08	0.807	-	1.34	μkat/L
ALT/GPT	IFCC, with pyridoxal phosphate 37°C	1 2701 +	47.2	36.3	-	58.0	U/L
Alanine aminotransferase	without pyridoxal phosphate 37°C	1 2701	47.9	36.9	-	59.0	U/L
AST/GOT	IFCC, with pyridoxal phosphate 37°C	1 2601 +	34.7	26.8	-	42.7	U/L
Aspartate aminotransferase	without pyridoxal phosphate 37°C	1 2601	35.2	27.1	-	43.3	U/L
AMY	EPS G-7	1 0501	66.3	53.0	-	79.6	U/L
Amylase			1.11	0.884	-	1.33	μkat/L
PAMY	EPS G-7	1 0551	26.2	20.9	-	31.4	U/L
Pancreatic amylase			0.436	0.349	-	0.524	μkat/L
APOA1	Immunoturbidimetric	1 7102	127	102	-	153	mg/dL
Apolipoprotein A1			1.27	1.02	-	1.53	g/L
APOB	Immunoturbidimetric	1 7112	66.4	53.1	-	79.7	mg/dL
Apolipoprotein B			0.664	0.531	-	0.797	g/L
BILE	Enzymatic cycling method	1 2238	8.00	6.4	-	9.6	μmol/L
Total Bile Acids							
DBIL	DCA	1 0821	0.787	0.583	-	0.992	mg/dL
Direct Bilirubin			13.5	10.0	-	17.0	μmol/L
TBIL	DCA	1 0811	1.26	0.936	-	1.59	mg/dL
Total Bilirubin			21.6	16.0	-	27.3	μmol/L
CA	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	1.90	-	2.37	mmol/L
			8.55	7.61	-	9.49	mg/dL
CL	Colorimetric	1 1221	101	91.9	-	110	mmol/L
Chloride			358	326	-	390	mg/dL
CHOL	CHOD-PAP	1 1300	132	113	-	150	mg/dL
Cholesterol							
CHE	Butyrylthiocholin	1 1401	5583	4578	-	6587	U/L
Cholinesterase			93.0	76.3	-	110	μkat/L
CK	DGKC, IFCC 37°C	1 1601	138	111	-	166	U/L
Creatine kinase			2.30	1.84	-	2.77	μkat/L
CKMB	mAK, Immunological method, 37 °C	1 1641	31.0	24.8	-	37.2	U/L
Creatine kinase			0.517	0.414	-	0.620	μkat/L
CREA	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	1.10	-	1.72	mg/dL
GGT	IFCC, DGKC 1994 37°C	1 2801	28.1	22.0	-	34.3	U/L
γ-Glutamyltransferase			0.469	0.366	-	0.572	μkat/L
	Szasz 37°C	1 2801	24.9	19.4	-	30.4	U/L
			0.415	0.324	-	0.506	μkat/L
GLDH	DGKC 1970 37 °C	1 2411	14.3	11.4	-	17.1	U/L
Glutamat dehydrogenase			0.238	0.190	-	0.286	μkat/L
GLUC	GOD-PAP	1 2500	113	94.7	-	131	mg/dL
Glucose	HK/G6P-DH	1 2511	111	93.0	-	128	mg/dL
HBDH	DGKC 37°C	1 3201	123	98.6	-	148	U/L
α-Hydroxybutyrate dehydro.			2.05	1.64	-	2.47	μkat/L
HDLc	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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HBUT 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
IgA Immunoglobulin A	Immunoturbidimetric	1 7202	155 1.55	117 - 192 1.17 - 1.92	mg/dL g/L
IgE Immunoglobulin E	Immunoturbidimetric	1 7239	67.3 161	53.8 - 80.7 129 - 194	IU/mL ng/mL
IgG Immunoglobulin G	Immunoturbidimetric	1 7212	775 7.75	620 - 930 6.20 - 9.30	mg/dL g/L
IgM Immunoglobulin M	Immunoturbidimetric	1 7222	70.8 0.708	51.0 - 90.6 0.510 - 0.906	mg/dL g/L
FE Iron	Ferene	1 1911	72.0 12.9	61.9 - 82.0 11.1 - 14.7	μg/dL μmol/L
LACT Lactate	LDH UV	1 4001	13.6 1.51	10.72 - 16.4 1.19 - 1.82	mg/dL mmol/L
LDH Lactate dehydrogenase	IFCC, modified	1 4251	140 2.34	115 - 166 1.92 - 2.76	U/L μkat/L
LDLC LDL-Cholesterol	Direct, colorimetric	1 4131	70.4 1.82	56.4 - 84.5 1.46 - 2.19	mg/dL mmol/L
LPS Lipase	Colorimetric	1 4321	63.2 1.05	50.6 - 75.9 0.843 - 1.26	U/L μkat/L
MG Magnesium	Xylidyl blue	1 4610	0.888 2.16	0.746 - 1.03 1.81 - 2.50	mmol/L mg/dL
PO3 Phosphorus	Molybdate UV, substrate start	1 5211	2.25 0.727	1.85 - 2.66 0.596 - 0.858	mg/dL mmol/L
	Molybdate UV, sample start	1 5211	2.39 0.771	1.96 - 2.82 0.632 - 0.909	mg/dL mmol/L
K Potassium	Enzymatic	1 5221	4.39 17.2	4.00 - 4.79 15.6 - 18.7	mmol/L mg/dL
			114 262	107 - 121 247 - 278	mmol/L mg/dL
TP Total Protein	Biuret, without sample blank	1 2311	5.87 58.7	5.22 - 6.51 52.2 - 65.1	g/dL g/L
	Biuret, with sample blank	1 2311	5.25 52.5	4.67 - 5.82 46.7 - 58.2	g/dL g/L
TRF Transferrin	Immunoturbidimetric	1 7252	197 1.97	157 - 236 1.57 - 2.36	mg/dL g/L
TRIG Triglycerides	GPO-PAP	1 5710	72.6 0.818	59.5 - 85.7 0.670 - 0.965	mg/dL mmol/L
UIBC Unsat. Iron Binding Cap.	Ferene	1 1921	215 38.4	172 - 258 30.8 - 46.1	μg/dL μmol/L
UREA Urea	Urease UV	1 3101	32.1 5.35	25.0 - 39.2 4.17 - 6.52	mg/dL mmol/L
UA Uric Acid	TBHA	1 3021	4.67 278	4.01 - 5.32 239 - 317	mg/dL μmol/L
	TOOS	1 3001	4.65 277	4.00 - 5.31 238 - 316	mg/dL μmol/L

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Proline TruLab N

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

LOT

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IVD

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

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