



2024-05-31

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

Value sheet version: 5

Short Name / Analyte	Method	Reagent ID	Value	Range	Unit
<b>ALB</b> Albumin	Bromcresol green	1 0220	3.62	2.78 - 4.45	g/dL
<b>AP</b> Alkaline phosphatase	IFCC 37°C	1 0441	79.7	59.8 - 99.7	U/L
	DGKC 1970 37°C	1 0401	119	89.1 - 149	U/L
<b>ALT/GPT</b> Alanine aminotransferase	IFCC, with pyridoxal phosphate 37°C	1 2701	49.5	38.1 - 60.8	U/L
	without pyridoxal phosphate 37°C	1 2701	49.0	37.7 - 60.2	U/L
<b>AST/GOT</b> Aspartate aminotransferase	IFCC, with pyridoxal phosphate 37°C	1 2601	40.3	31.0 - 49.6	U/L
	without pyridoxal phosphate 37°C	1 2601	40.2	31.0 - 49.4	U/L
<b>AMY</b> Amylase	EPS G-7	1 0501	69.3	55.5 - 83.2	U/L
<b>PAMY</b> Pancreatic amylase	EPS G-7	1 0551	28.2	22.6 - 33.9	U/L
<b>APOA1</b> Apolipoprotein A1	Immunoturbidimetric	1 7102	125	99.9 - 150	mg/dL
<b>APOB</b> Apolipoprotein B	Immunoturbidimetric	1 7112	73.5	58.8 - 88.2	mg/dL
<b>BILE</b> Total Bile Acids	Enzymatic cycling method	1 2238	13.1	10.5 - 15.7	µmol/L
<b>DBIL</b> Direct Bilirubin	DCA	1 0821	0.87	0.64 - 1.09	mg/dL
<b>TBIL</b> Total Bilirubin	DCA	1 0811	1.58	1.17 - 1.99	mg/dL
<b>CA</b> Calcium	Phosphonazo	1 1181	8.52	7.58 - 9.46	mg/dL
<b>CL</b> Chloride	Colorimetric	1 1221	102	92.4 - 111	mmol/L
<b>CHOL</b> Cholesterol	CHOD-PAP	1 1300 + 1 1350	145	125 - 166	mg/dL
<b>CHE</b> Cholinesterase	Butyrylthiocholin	1 1401	5934	4866 - 7002	U/L
<b>CK</b> Creatine kinase	DGKC, IFCC 37°C	1 1601	153	122 - 183	U/L
<b>CKMB</b> Creatine kinase	mAK, Immunological method, 37°C	1 1641	28.2	22.6 - 33.8	U/L
<b>CREA</b> Creatinine	Jaffé, without compensation	1 1711	1.49	1.16 - 1.82	mg/dL
	Jaffé, with compensation	1 1711	1.37	1.07 - 1.67	mg/dL
	Enzymatic PAP	1 1759	1.39	1.09 - 1.70	mg/dL
<b>GGT</b> γ-Glutamyltransferase	IFCC, DGKC 1994 37°C	1 2801	28.8	22.5 - 35.2	U/L
	Szasz 37°C	1 2801	25.5	19.9 - 31.1	U/L
<b>GLDH</b> Glutamat dehydrogenase	DGKC 1970 37°C	1 2411	13.3	10.7 - 16.0	U/L
<b>GLUC</b> Glucose	GOD-PAP	1 2500 + 1 2550	89.3	75.0 - 104	mg/dL
	HK/G6P-DH	1 2511	88.0	73.9 - 102	mg/dL
<b>HBDH</b> α-Hydroxybutyrate dehydro.	DGKC 37°C	1 3201	131	105 - 157	U/L
<b>HDLC</b> HDL-Cholesterol	Immunoinhibition	1 3521	40.7	35.0 - 46.4	mg/dL
	Direct, colorimetric	1 3561	42.4	36.5 - 48.3	mg/dL
<b>HBUT</b> β-Hydroxybutyrate	β-HBDH 37°C	1 3711	0.31	0.25 - 0.38	mmol/L



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<b>IgA</b> Immunoglobulin A	Immunoturbidimetric	1 7202	168	127 - 208	mg/dL
<b>IgE</b> Immunoglobulin E	Immunoturbidimetric	1 7239	73.2	58.5 - 87.8	IU/mL
<b>IgG</b> Immunoglobulin G	Immunoturbidimetric	1 7212	829	663 - 994	mg/dL
<b>IgM</b> Immunoglobulin M	Immunoturbidimetric	1 7222	76.1	54.8 - 97.4	mg/dL
<b>FE</b> Iron	Ferene	1 1911	78.9	67.8 - 89.9	µg/dL
<b>LACT</b> Lactate	LDH UV	1 4001	11.6	9.17 - 14.0	mg/dL
<b>LDH</b> Lactate dehydrogenase	IFCC, DGKC 1994 37°C	1 4211	150	123 - 177	U/L
	DGKC opt. 1970 37°C	1 4201	248	204 - 293	U/L
<b>LDLC</b> LDL-Cholesterol	Homogenous Select, TruCal Lipid	1 4121	78.1	67.2 - 89.1	mg/dL
	Direct, colorimetric	1 4131	77.7	66.8 - 88.6	mg/dL
<b>LPS</b> Lipase	Colorimetric	1 4321	52.2	41.8 - 62.6	U/L
<b>MG</b> Magnesium	Xylidyl blue	1 4610	2.00	1.68 - 2.33	mg/dL
<b>PL</b> Phospholipids	Enzymatic	1 5741	168	135 - 202	mg/dL
<b>PO3</b> Phosphorus	Molybdate UV, substrate start	1 5211	2.96	2.42 - 3.49	mg/dL
	Molybdate UV, sample start	1 5211	3.05	2.50 - 3.60	mg/dL
<b>K</b> Potassium	Enzymatic	1 5221	3.98	3.62 - 4.34	mmol/L
<b>Na</b> Sodium	Enzymatic	1 4808	132	124 - 140	mmol/L
<b>TP</b> Total Protein	Biuret, without sample blank	1 2311	6.28	5.59 - 6.97	g/dL
	Biuret, with sample blank	1 2311	5.50	4.90 - 6.11	g/dL
<b>TRF</b> Transferrin	Immunoturbidimetric	1 7252	214	171 - 256	mg/dL
<b>TRIG</b> Triglycerides	GPO-PAP	1 5760	88.5	72.6 - 104	mg/dL
		1 5710		-	mmol/L
<b>UIBC</b> Unsat. Iron Binding Cap.	Ferene	1 1921	229	184 - 275	µg/dl
<b>UREA</b> Urea	Urease UV	1 3101	36.4	28.4 - 44.4	mg/dL
<b>UA</b> Uric Acid	TBHBA	1 3021	4.79	4.12 - 5.46	mg/dL
	TOOS	1 3001	4.87	4.19 - 5.56	mg/dL



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Proline - Tokyo Boeki series						
Short Name / Analyte	Method	Reagent ID	Value	Range	1SD	Unit
<b>ALB</b> Albumin	Bromcresol green	1 0220	3.70	3.13 - 4.27	0.28	g/dL
<b>AP</b> Alkaline phosphatase	IFCC 37°C	1 0441	81.4	67.9 - 95.0	6.79	U/L
<b>ALT/GPT</b> Alanine aminotransferase	without pyridoxal phosphate 37°C	1 2701	50.8	46.9 - 54.7	3.90	U/L
<b>AST/GOT</b> Aspartate aminotransferase	without pyridoxal phosphate 37°C	1 2601	40.5	34.3 - 46.7	3.10	U/L
<b>DBIL</b> Direct Bilirubin	DCA	1 0821	0.86	0.71 - 1.00	0.07	mg/dL
<b>TBIL</b> Total Bilirubin	DCA	1 0811	1.51	1.25 - 1.78	0.13	mg/dL
<b>CHOL</b> Cholesterol	CHOD-PAP	1 1300 + 1 1350	146	133 - 160	6.83	mg/dL
<b>CREA</b> Creatinine	Jaffé, with compensation Enzymatic PAP	1 1711 1 1759	1.26 1.30	1.08 - 1.45 1.11 - 1.49	0.09 0.10	mg/dL mg/dL
<b>GGT</b> γ-Glutamyltransferase	IFCC, DGKC 1994 37°C	1 2801	25.1	21.4 - 28.8	1.84	U/L
<b>GLUC</b> Glucose	GOD-PAP HK/G6P-DH	1 2500 + 1 2550 1 2511	90.6 88.6	80.9 - 100 79.1 - 98.0	4.83 4.72	mg/dL mg/dL
<b>TP</b> Total Protein	Biuret, with sample blank	1 2311	5.46	5.06 - 5.86	0.20	g/dL
<b>TRIG</b> Triglycerides	GPO-PAP	1 5760 1 5710	83.4	73.4 - 93.4	5.00	mg/dL
<b>UREA</b> Urea	Urease UV	1 3101	38.8	33.1 - 44.5	2.84	mg/dL
<b>UA</b> Uric Acid	TBHBA	1 3021	4.83	4.38 - 5.28	0.23	mg/dL

\*This value sheet is short version. For other methods, please ask your distributors or email to [technical.support@prodis.co.id](mailto:technical.support@prodis.co.id)

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