



2027-06-30

IVD

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

Value sheet version : 3

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 +	44.9	34.6 - 55.2	U/L
Alanine aminotransferase	without pyridoxal phosphate 37 °C	1 2701	46.0	35.4 - 56.5	U/L
AST/GOT	IFCC, with pyridoxal phosphate 37 °C	1 2601	34.0	26.2 - 41.8	U/L
Aspartate aminotransferase	without pyridoxal phosphate 37 °C	1 2601	34.0	26.2 - 41.9	U/L
AMY	EPS-G7	1 0501	66.3	53.0 - 79.6	U/L
Amylase			1.11	0.884 - 1.33	µkat/L
PAMY	EPS-G7	1 0551	26.2	20.9 - 31.4	U/L
Pancreatic amylase			0.436	0.349 - 0.52	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	6.40 - 9.60	µmol/L
Total Bile Acids					
DBIL	DCA	1 0821	0.724	0.536 - 0.912	mg/dL
Direct Bilirubin			12.4	9.16 - 15.6	µmol/L
TBIL	DCA	1 0811	1.19	0.882 - 1.5	mg/dL
Total Bilirubin			20.4	15.1 - 25.7	µmol/L
CA	Arsenazo	1 1130	2.00	1.78 - 2.22	mmol/L
Calcium	Phosphonazo	1 1181	8.01	7.13 - 8.89	mg/dL
			2.13	1.9 - 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	127	109 - 144	mg/dL
Cholesterol			3.27	2.81 - 3.73	mmol/L
CHE	Butyrylthiocolin	1 1401	5583	4578 - 6587	U/L
Cholinesterase			93	76.3 - 110	µkat/L
CK	DGKC, IFCC 37 °C	1 1601	138	111 - 166	U/L
Creatine kinase			2.3	1.84 - 2.77	µkat/L
CKMB	mAK, Immunological method, 37 °C	1 1641	29	23.2 - 34.8	U/L
Creatine kinase			0.483	0.387 - 0.58	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	1.1 - 1.72	mg/dL
GGT	IFCC, DGKC 1994 37 °C	1 2801	28.1	22 - 34.3	U/L
			0.469	0.366 - 0.57	µkat/L
γ-Glutamyltransferase	Szasz 37 °C	1 2801	24.9	19.4 - 30.4	U/L
			0.415	0.324 - 0.51	µkat/L
GLDH	DGKC 1970 37 °C	1 2411	13.0	10.4 - 15.6	U/L
Glutamat dehydrogenase			0.217	0.173 - 0.26	µkat/L
GLUC	GOD-PAP	1 2500	113	94.7 - 131	mg/dL
Glucose	HK/G6P-DH	1 2511	111	93 - 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-HBDH / Diaphorase 37°C	1 3701	0.38	0.30 - 0.45	mmol/L
β-Hydroxybutyrate			3.92	3.14 - 4.17	mg/dL
	β-HBDH 37°C	1 3711	0.38	0.31 - 0.46	mmol/L
			3.97	3.18 - 4.76	mg/dL
IgA	Immunoturbidimetric	1 7202	155	117 - 192	mg/dL
Immunoglobulin A			1.55	1.17 - 1.92	g/L
IgE	Immunoturbidimetric	1 7239	67.3	53.8 - 80.7	IU/mL
Immunoglobulin E			161	129 - 194	ng/mL
IgG	Immunoturbidimetric	1 7212	775	620 - 930	mg/dL
Immunoglobulin G			7.75	6.20 - 9.30	g/L
IgM	Immunoturbidimetric	1 7222	70.8	51.0 - 90.6	mg/dL
Immunoglobulin M			0.71	0.51 - 0.91	g/L
FE	Ferene	1 1911	72.0	61.9 - 82.0	µg/dL
Iron			12.9	11.1 - 14.7	µmol/L
LACT	LDH UV	1 4001	13.6	10.7 - 16.4	mg/dL
Lactate			1.51	1.19 - 1.82	mmol/L
LDH	IFCC, modified	1 4251	140	115 - 166	U/L
Lactate dehydrogenase			2.34	1.92 - 2.76	µkat/L
	DGKC opt, 1970 37°C	1 4201	224	184 - 264	U/L
			3.73	3.06 - 4.41	µkat/L
LDLC	Direct, colorimetric	1 4131	70.4	56.4 - 84.5	mg/dL
LDL-Cholesterol			1.82	1.46 - 2.19	mmol/L
LPS	Colorimetric	1 4321	63.2	50.6 - 75.9	U/L
Lipase			1.05	0.84 - 1.26	µkat/L
MG	Xylidyl blue	1 4610	0.89	0.75 - 1.03	mmol/L
Magnesium			2.16	1.81 - 2.50	mg/dL
PO3	Molybdate UV, substrate start	1 5211	2.25	1.85 - 2.66	mg/dL
Phosphorus			0.73	0.60 - 0.86	mmol/L
	Molybdate UV, sample start	1 5211	2.39	1.96 - 2.82	mg/dL
			0.77	0.63 - 0.91	mmol/L
K	Enzymatic	1 5221	4.39	4.00 - 4.79	mmol/L
Potassium			17.2	15.6 - 18.7	mg/dL
Na	Enzymatic	1 4808	114	107 - 121	mmol/L
Sodium			262	247 - 278	mg/dL
TP	Biuret, without sample blank	1 2311	5.87	5.22 - 6.51	g/dL
Total Protein			58.7	52.2 - 65.1	g/L
	Biuret, with sample blank	1 2311	5.25	4.67 - 5.82	g/dL
			52.5	46.7 - 58.2	g/L
TRF	Immunoturbidimetric	1 7252	197	157 - 236	mg/dL
Transferrin			1.97	1.57 - 2.36	g/L
TRIG	GPO-PAP	1 5710	69.0	56.6 - 81.5	mg/dL
Triglycerides			0.78	0.637 - 0.92	mmol/L
UIBC	Ferene	1 1921	215	172 - 258	µg/dL
Unsat. Iron Binding Cap.			38.4	30.8 - 46.1	µmol/L
UREA	Urease UV	1 3101	32.1	25.0 - 39.2	mg/dL
Urea			5.35	4.17 - 6.52	mmol/L
UA	TBHA	1 3021	4.67	4.01 - 5.32	mg/dL
Uric Acid			278	239 - 317	µmol/L
	TOOS	1 3001	4.65	4.00 - 5.31	mg/dL
			277	238 - 316	µmol/L



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Proline-Tokyo Boeki Series

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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	44.9	3.44	38.0 - 51.8	U/L
AST/GOT Aspartate aminotransferase	without pyridoxal phosphate 37° C	1 2601	33.6	2.57	28.4 - 38.7	U/L
DBIL Direct Bilirubin	DCA	1 0821	0.75	0.06	0.62 - 0.88	mg/dL
TBIL Total Bilirubin	DCA	1 0811	1.15	0.10	0.95 - 1.34	mg/dL
CHOL Cholesterol	CHOD-PAP	1 1300	127	5.92	115 - 139	mg/dL
CREA Creatinine	Jaffé, with compensation Enzymatic PAP	1 1711 1 1759	1.47 1.46	0.11	1.25 - 1.68 1.25 - 1.6	mg/dL 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 HK/G6P-DH	1 2500 1 2511	115 114	6.15	103 - 128 102 - 126	mg/dL mg/dL
TP Total Protein	Biuret, with sample blank	1 2311	5.45	0.2	5.05 - 5.85	g/dL
TRIG Triglycerides	GPO-PAP	1 5710	68.1	4.08	59.9 - 76.2	mg/dL
UREA Urea	Urease UV	1 3101	31.4	2.3	26.8 - 36.0	mg/dL
UA Uric Acid	TBHA	1 3021	4.86	0.23	4.40 - 5.31	mg/dL

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DiaSys Diagnostic Systems GmbH
 Alte Strasse 9 65558 Holzheim
 Germany

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