

Short Name / Analyte	Method	Reagent ID	Value	Range	Unit
ALB	Bromcresol green	1 0220	3.76	2.89 - 4.62	g/dL
Albumin			37.6	28.9 - 46.2	g/L
AP	IFCC 37 °C	1 0441	64.7	48.5 - 80.9	U/L
Alkaline phosphatase			1.08	0.809 - 1.35	µkat/L
ALT/GPT	IFCC, with pyridoxal phosphate 37 °C	1 2701	51.8	39.9 - 63.7	U/L
Alanine aminotransferase	without pyridoxal phosphate 37 °C	1 2701	52.2	40.2 - 64.1	U/L
AST/GOT	IFCC, with pyridoxal phosphate 37 °C	1 2601	41.6	32.0 - 51.2	U/L
Aspartate aminotransferase	without pyridoxal phosphate 37 °C	1 2601	42.6	32.8 - 52.4	U/L
AMY	EPS-G7	1 0501	66.7	53.3 - 80.0	U/L
Amylase					
PAMY	EPS-G7	1 0551	26.6	21.3 - 32.0	U/L
Pancreatic amylase					
APOA1	Immunoturbidimetric	1 7102	141	113 - 169	mg/dL
Apolipoprotein A1			1.41	1.13 - 1.69	g/L
APOB	Immunoturbidimetric	1 7112	74.6	59.7 - 89.5	mg/dL
Apolipoprotein B			0.746	0.597 - 0.895	g/L
BILE	Enzymatic cycling method	1 2238	9.29	7.43 - 11.1	µmol/L
Total Bile Acids					
DBIL	DCA	1 0821	0.858	0.635 - 1.08	mg/dL
Direct Bilirubin					
TBIL	DCA	1 0811	1.50	1.11 - 1.89	mg/dL
Total Bilirubin					
CA	Phosphonazo	1 1181	9.06	8.07 - 10.1	mg/dL
Calcium					
CL	Colorimetric	1 1221	103	93.8 - 112	mmol/L
Chloride			365	332 - 398	mg/dL
CHOL	CHOD-PAP	1 1300	145	125 - 166	mg/dL
Cholesterol					
CHE	Butyrylthiocolin	1 1401	6195	5080 - 7310	U/L
Cholinesterase					
CK	DGKC, IFCC 37 °C	1 1601	144	115 - 173	U/L
Creatine kinase					
CKMB	mAK, Immunological method, 37 °C	1 1641	32.6	26.1 - 39.2	U/L
Creatine kinase			0.544	0.435 - 0.653	µkat/L
CREA	Jaffé, without compensation	1 1711	1.49	1.16 - 1.81	mg/dL
Creatinine	Jaffé, with compensation	1 1711	1.37	1.07 - 1.67	mg/dL
	Enzymatic PAP	1 1759	1.33	1.04 - 1.63	mg/dL
GGT	IFCC, DGKC 1994 37 °C	1 2801	28.1	21.9 - 34.2	U/L
γ-Glutamyltransferase	Szasz 37 °C	1 2801	24.8	19.4 - 30.3	U/L
GLDH	DGKC 1970 37 °C	1 2411	13.9	11.2 - 16.7	U/L
Glutamat dehydrogenase					
GLUC	GOD-PAP	1 2500	88.8	74.6 - 103	mg/dL
Glucose	HK/G6P-DH	1 2511	88.9	74.6 - 103	mg/dL
HBDH	DGKC 37 °C	1 3201	127	102 - 153	U/L
α-Hydroxybutyrate dehydro.					
HDLC	Direct, colorimetric	1 3561	45.7	36.5 - 54.8	mg/dL
HDL-Cholesterol			1.18	0.945 - 1.42	mmol/L



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HBUT β-Hydroxybutyrate	β-HBDH 37 °C	1 3711	0.308 3.21	0.247 - 0.370 2.57 - 3.85	mmol/L mg/dL
IgA Immunoglobulin A	Immunoturbidimetric	1 7202	186	142 - 231	mg/dL
IgE Immunoglobulin E	Immunoturbidimetric	1 7239	81.3	65.0 - 97.5	IU/mL
IgG Immunoglobulin G	Immunoturbidimetric	1 7212	898	718 - 1077	mg/dL
IgM Immunoglobulin M	Immunoturbidimetric	1 7222	87.2	62.8 - 112	mg/dL
FE Iron	Ferene	1 1911	81.3	69.9 - 92.7	µg/dL
LACT Lactate	LDH UV	1 4001	12.5	9.91 - 15.2	mg/dL
LDH Lactate dehydrogenase	IFCC, modified	1 4251	156	128 - 184	U/L
LDLC LDL-Cholesterol	Direct, colorimetric	1 4131	83.9	67.1 - 101	mg/dL
LPS Lipase	Colorimetric	1 4321	51.2	40.9 - 61.4	U/L
MG Magnesium	Xylidyl blue	1 4610	0.837 2.03	0.703 - 0.971 1.71 - 2.36	mmol/L mg/dL
PL Phospholipids	Enzymatic	1 5741	164 2.11	131 - 197 1.69 - 2.53	mg/dL mmol/L
PO3 Phosphorus	Molybdate UV , substrate start Molybdate UV , sample start	1 5211 1 5211	2.86 2.90	2.34 - 3.37 2.38 - 3.42	mg/dL mg/dL
K Pottasium	Enzymatic	1 5221	4.46 17.4	4.06 - 4.86 15.9 - 19.0	mmol/L mg/dL
Na Sodium	Enzymatic	1 4808	132 304	124 - 140 286 - 322	mmol/L mg/dL
TP Total Protein	Biuret, without sample blank Biuret, with sample blank	1 2311 1 2311	6.56 5.98	5.84 - 7.29 5.32 - 6.64	g/dL g/dL
TRF Transferin	Immunoturbidimetric	1 7252	230 2.30	184 - 276 1.84 - 2.76	mg/dL g/L
TRIG Triglycerides	GPO-PAP	1 5710	80.7 0.909	66.2 - 95.2 0.745 - 1.07	mg/dL mmol/L
UIBC Unsat.Iron Binding Cap.	Ferene	1 1921	252 45.1	202 - 302 36.1 - 54.2	µg/dL µmol/L
UREA Urea	Urease UV	1 3101	29.7 4.94	23.2 - 36.2 3.86 - 6.03	mg/dL mmol/L
UA Uric Acid	TBHBA TOOS	1 3021 1 3001	4.67 4.79	4.01 - 5.32 4.12 - 5.46	mg/dL mg/dL



Proline-Tokyo Boeki Series						
Short Name / Analyte	Method	Reagent ID	Value	1 SD	Range	Unit
ALB Albumin	Bromcresol green	1 0220	3.87	0.30	3.27 - 4.46	g/dL
AP Alkaline phosphatase	IFCC 37° C	1 0441	60.9	5.08	50.8 - 71.1	U/L
ALT/GPT Alanine aminotransferase	without pyridoxal phosphate 37 °C	1 2701	52.0	3.99	44.0 - 60.0	U/L
AST/GOT Aspartate aminotransferase	without pyridoxal phosphate 37 °C	1 2601	40.5	3.11	34.3 - 46.7	U/L
DBIL Direct Bilirubin	DCA	1 0821	0.83	0.07	0.68 - 0.97	mg/dL
TBIL Total Bilirubin	DCA	1 0811	1.53	0.13	1.26 - 1.79	mg/dL
CHOL Cholesterol	CHOD-PAP	1 1300	144	6.72	131 - 157	mg/dL
CREA Creatinine	Jaffé, with compensation	1 1711	1.33	0.10	1.13 - 1.52	mg/dL
	Enzymatic PAP	1 1759	1.28	0.09	1.10 - 1.47	mg/dL
GGT γ -Glutamyltransferase	IFCC, DGKC 1994 37 °C	1 2801	27.5	2.02	23.5 - 31.6	U/L
GLUC Glucose	GOD-PAP	1 2500	91.7	4.89	81.9 - 102	mg/dL
	HK/G6P-DH	1 2511	89.6	4.78	80.1 - 99.2	mg/dL
TP Total Protein	Biuret, with sample blank	1 2311	5.89	0.22	5.46 - 6.32	g/dL
TRIG Triglycerides	GPO-PAP	1 5760	82.2	4.93	72.3 - 92.0	mg/dL
UREA Urea	Urease UV	1 3101	28.9	2.12	24.7 - 33.2	mg/dL
UA Uric Acid	TBHBA	1 3021	4.64	0.22	4.21 - 5.07	mg/dL

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DiaSys Diagnostic Systems GmbH
 Alte Strasse 9 65558 Holzheim
 Germany

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PT Prodia Diagnostic Line
 Kawasan Industri Jababeka III
 Jl. Tekno 1 Blok C 2 D-E-F
 Cikarang, Jawa Barat 17530, Indonesia