

466-26201 Control Serum Wako I (BR)

462-26301 Control Serum Wako II (BR)

Target values

Constituent	Control I	TH988	Control II	TH989	Unit	Method	Reagent
	Mean	SD	Mean	SD			
Enzymes							
ALP	272	12.1	921	27.2	U/L	JSCC Transferable (EAE buffer)	L-Type ALP J2
AMY	87	3.2	541	14.1	U/L	JSCC Transferable / IFCC	L-Type Amylase
ChE	289	9.5	69	2.2	U/L	JSCC Transferable	L-Type ChE J
CK	131	5.9	452	18.2	U/L	JSCC Transferable	L-Type CK
	*1 132	-	454	-	U/L	IFCC (by separate sheet assigned value)	L-Type CK
AST (GOT)	42	1.8	198	6.8	U/L	JSCC Transferable	L-Type AST J2
	*1 41	-	194	-	U/L	IFCC (by separate sheet assigned value)	L-Type AST J2
ALT (GPT)	28	1.5	100	2.9	U/L	JSCC Transferable	L-Type ALT J2
	*1 29	-	102	-	U/L	IFCC (by separate sheet assigned value)	L-Type ALT J2
γ-GT (γ-GTP)	39	1.8	165	4.7	U/L	JSCC Transferable	L-Type γ-GT J
	*1 38	-	163	-	U/L	IFCC (by separate sheet assigned value)	L-Type γ-GT J
LAP	43	2.0	24	1.2	U/L	L-Leucyl- <i>p</i> -nitroanilide substrate	L-Type LAP
LD (LDH)	163	6.3	371	12.1	U/L	JSCC Transferable	L-Type LD J
	*1 165	-	375	-	U/L	IFCC (by separate sheet assigned value)	L-Type LD J
Lipids							
Total Cholesterol	237	6.0	109	2.8	mg/dL	COD-HDAOS, COD-HMMPS	L-Type TCHO M
Free Cholesterol	44	1.6	18	0.5	mg/dL	COD-DAOS	L-Type F-CHO
NEFA/FFA	0.67	0.022	0.82	0.026	mEq/L	ACS-ACOD	NEFA-HR (II), HA (II)
Phospholipids	285	8.4	116	3.3	mg/dL	CO-DAOS	L-Type PL
Triglyceride	158	5.6	89	2.4	mg/dL	GPO-HDAOS, GPO-HMMPS, JSCC	L-Type TG M
Proteins							
Albumin	4.5	0.19	2.7	0.13	g/dL	BCG	Alb-HR II, II-HA
TP (Total Protein)	6.8	0.15	4.3	0.12	g/dL	Biuret	TP-HR II, II-HA
Nitrogenous							
Creatinine	0.70	0.027	5.31	0.097	mg/dL	Creatininase-HMMPS	L-Type CRE M
UN	17.6	0.64	50.4	1.11	mg/dL	Urease-GIDH	L-Type UN
UA	4.5	0.13	9.5	0.20	mg/dL	Uricase-HMMPS	L-Type UA M

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Metal elements							
Calcium	9.3	0.31	12.1	0.34	mg/dL	MXB	Ca E-HR, E-HA
	8.8	0.27	12.1	0.33	mg/dL	OCPC	Calcium-HR11
Iron (Fe)	229	6.3	67	2.2	µg/dL	Bathophenanthroline	L-Type Fe N
UIBC	107	4.1	141	5.9	µg/dL	Bathophenanthroline	L-Type UIBC
Magnesium	2.2	0.08	4.5	0.15	mg/dL	Xylidyl blue	Magnesium-HR11
P (inorganic phosphorus)	3.3	0.12	6.9	0.15	mg/dL	PNP·XDH	L-Type P
	3.3	0.13	6.9	0.19	mg/dL	Molybdate-UV	P-HR11, HA
Miscellaneous							
Total Bilirubin	1.1	0.11	4.3	0.23	mg/dL	Vanadate	T-Bilirubin E-HR, E-HA
Glucose	82	3.0	284	6.5	mg/dL	Hexokinase-G6PDH	L-Type Glu2

*1: When calibration is carried out with IFCC assigned value which is indicated on the separate sheet. The separate sheet is available upon request.

Reference values

Constituent	Control I	TH988	Control II	TH989	Unit	Method	Reagent
	Mean	SD	Mean	SD			
Electrolytes							
Sodium (Na)	146	2.0	126	2.2	mmol/L	Ion selective electrode	Ion electrode reagents for Hitachi analyzer
Potassium (K)	3.8	0.08	6.0	0.11	mmol/L	Ion selective electrode	
Chloride (Cl)	101	2.6	83	2.1	mmol/L	Ion selective electrode	
Lipase	60	2.5	101	4.4	U/L	1,2-diglyceride substrate·TOOS	Autokit Lipase

Extra reference values The reference values listed below are not for guaranteeing because those values may shift during the shelf life.

Constituent	Control I	TH988	Control II	TH989	Unit	Method	Reagent
	Mean	SD	Mean	SD			
P-Amylase	56	-	524	-	U/L	Immuno-Inhibition Method, BG5P substrate	L-Type P-AMY
HDL-Cholesterol	77	6.2	22	1.6	mg/dL	Selective elimination method	L-Type HDL-C M(3)
LDL-Cholesterol	123	2.7	69	1.7	mg/dL	Selective elimination method	L-Type LDL-C M
Direct Bilirubin	-	-	-	-	mg/dL	Vanadate	D-Bilirubin E-HR, E-HA