466-26201 Control Serum Wako Ⅰ(BR)
462-26301 Control Serum Wako Ⅱ(BR)

Target values

Constituent	Control Ⅰ AM042		Control Ⅱ AM043		Unit	Method	Reagent
	Mean	SD	Mean	SD			
Enzymes							
ALP	246	10.9	923	27.3	U/L	JSCC Transferable (EAE buffer)	L-Type ALP J2
AMY	82	3.0	569	14.8	U/L	JSCC Transferable / IFCC	L-Type Amylase
ChE	274	9.0	123	3.9	U/L	JSCC Transferable	L-Type ChE J
CK	140	6.3	446	18.0	U/L	JSCC Transferable	L-Type CK
	*1 141		448		U/L	IFCC (by separate sheet assigned value)	L-Type CK
AST(GOT)	40	1.7	199	6.8	U/L	JSCC Transferable	L-Type AST J2
	*1 39		195		U/L	IFCC (by separate sheet assigned value)	L-Type AST J2
ALT(GPT)	32	1.7	103	3.0	U/L	JSCC Transferable	L-Type ALT J2
	*1 32		105		U/L	IFCC (by separate sheet assigned value)	L-Type ALT J2
γ-GT(γ-GTP)	40	1.8	170	4.8	U/L	JSCC Transferable	L-Type γ-GT J
	*1 40		168		U/L	IFCC (by separate sheet assigned value)	L-Type γ-GT J
LAP	43	2.0	36	1.8	U/L	L-Leucyl-*p*-nitroanilide substrate	L-Type LAP
LD(LDH)	174	6.7	374	12.2	U/L	JSCC Transferable	L-Type LD J
	*1 176		379		U/L	IFCC (by separate sheet assigned value)	L-Type LD J
Lipids							
Total Cholesterol	241	6.1	107	2.7	mg/dL	COD-HDAOS, COD-HMMPS	L-Type TCHO M
Free Cholesterol	46	1.7	21	0.6	mg/dL	COD-DAOS	L-Type F-CHO
NEFA/FFA	0.75	0.025	0.62	0.020	mEq/L	ACS-ACOD	NEFA-HR (II), HA (II)
Phospholipids	294	8.7	130	3.7	mg/dL	CO-DAOS	L-Type PL
Triglyceride	171	6.1	88	2.4	mg/dL	GPO-HDAOS, GPO-HMMPS, JSCC	L-Type TG M
Proteins							
Albumin	4.1	0.17	2.8	0.13	g/dL	BCG	Alb-HRII, II-HA
TP (Total Protein)	6.4	0.14	4.3	0.12	g/dL	Biuret	TP-HRII, II-HA
Nitrogenous							
Creatinine	0.65	0.025	5.87	0.107	mg/dL	Creatininase-HMMPS	L-Type CRE M
UN	16.0	0.58	49.7	1.09	mg/dL	Urease-GlDH	L-Type UN
UA	4.7	0.14	10.0	0.21	mg/dL	Uricase-HMMPS	L-Type UA M

Constituent	Control Ⅰ AM042		Control Ⅱ AM043		Unit	Method	Reagent
	Mean	SD	Mean	SD			
Metal elements							
Calcium	9.2	0.31	12.5	0.35	mg/dL	MXB	Ca E-HR, E-HA
	8.7	0.27	12.5	0.34	mg/dL	OCPC	Calcium-HRII
Iron (Fe)	254	7.0	80	2.6	μg/dL	Bathophenanthroline	L-Type Fe N
UIBC	60	2.3	133	5.6	μg/dL	Bathophenanthroline	L-Type UIBC
Magnesium	2.2	0.08	4.7	0.16	mg/dL	Xylidyl blue	Magnesium-HRII
P (inorganic phosphorus)	3.2	0.12	6.9	0.15	mg/dL	PNP･XDH	L-Type P
	3.2	0.13	7.0	0.19	mg/dL	Molybdate-UV	P-HRII, HA
Miscellaneous							
Total Bilirubin	1.0	0.10	4.5	0.24	mg/dL	Vanadate	T-Bilirubin E-HR, E-HA
Glucose	90	3.3	293	6.7	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 AM042		Control Ⅱ AM043		Unit	Method	Reagent
	Mean	SD	Mean	SD			
Electrolytes							
Sodium (Na)	145	2.0	128	2.2	mmol/L	Ion selective electrode	Ion electrode reagents for Hitachi analyzer
Potassium (K)	3.8	0.08	6.2	0.11	mmol/L	Ion selective electrode	
Chloride (Cl)	101	2.6	86	2.2	mmol/L	Ion selective electrode	
Lipase	57	2.4	92	4.0	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 AM042		Control Ⅱ AM043		Unit	Method	Reagent
	Mean	SD	Mean	SD			
P-Amylase	53	-	553	-	U/L	Immuno-Inhibition Method, BG5P substrate	L-Type P-AMY
HDL-Cholesterol	78	6.2	24	1.6	mg/dL	Selective elimination method	L-Type HDL-C M(3)
LDL-Cholesterol	115	2.7	70	1.7	mg/dL	Selective elimination method	L-Type LDL-C M
Direct Bilirubin	-	-	-	-	mg/dL	Vanadate	D-Bilirubin E-HR, E-HA