

Normal control human source

Note : the values below are lot specific.

Package Insert available for all Lot numbers on request.

Substrates

Component	Method	Value	Range	Units
Uric Acid	Uricase-PAP	4.78	4.07 - 5.49	mg/dL
		285	243 - 327	µmol/L
TOTAL bilirubin	Jendrassik	1.45	1.19 - 1.71	mg/dL
		24.8	20.3 - 29.2	µmol /L
	DCA	1.13	0.93 - 1.33	mg/dL
		19.3	15.8 - 22.8	µmol /L
	DMSO	1.24	1.02 - 1.46	mg/dL
		21.2	17.4 - 25.0	µmol /L
DIRECT Bilirubin	Jendrassik	0.73	0.60 - 0.86	mg/dL
		12.4	10.2 - 14.7	µmol /L
	DMSO	0.57	0.43 - 0.71	mg/dL
		9.7	7.3 - 12.1	µmol /L
Creatinine	Jaffe without deproteinization	1.06	0.87 - 1.25	mg/dL
		93.7	76.8 - 110.5	µmol /L
Fructosamine	Colorimetric method-NBT	637	522 - 752	µmol /L
Glucose	Hexokinase	95.0	80.8 - 109.3	mg/dL
		5.28	4.49 - 6.07	mmol/L
	GOD-PAD	95.0	80.8 - 109.3	mg/dL
		5.28	4.49 - 6.07	mmol/L
Lactate	Enzymatic-colorimetric	13.0	10.7 - 15.3	mg/dL
		1.44	1.19 - 1.7	mmol/L
Urea	Urea-UV	39	33.2 - 44.9	mg/dL
		6.47	5.5 - 7.44	mmol/L
	Urea Berthelot	39	33.2 - 44.9	mg/dL
		6.47	5.5 - 7.44	mmol/L
	Ortophtaldehyd	39	33.2 - 44.9	mg/dL
		6.47	5.5 - 7.44	mmol/L

Lipids

Cholesterol	CHOD-PAP	99	84.3 -113.7	mg/dL
		2.51	2.14 -2.89	mmol/L
HDL-Cholesterol	Direct without centrifugation	31	23 - 39	mg/dL
		0.8	0.6 - 1.0	mmol/L
LDL-Cholesterol	Direct without centrifugation	59	47 - 71	mg/dL
		1.52	1,22 - 1.83	mmol/L
Phospholipids	Enzymatic	127	102 - 152	mg/dL

		1.64	1,20 - 2.08	mmol/L
Triglycerides	GPO-PAP	117 1.31	99 - 135 1,11 - 1.52	mg/dL mmol/L

Electrolytes

Calcium (Ca)	o-Cresolphthalin-complex	4.2	3.68 - 4.72	mEq/L
		2.1	1.84 - 2.36	mmol/L
		8.40	7.36 - 9.44	mg/dL
	Arsenazo III	4.2	3.68 - 4.72	mEq/L
		2.1	1.84 - 2.36	mmol/L
		8.40	7.36 - 9.44	mg/dL
Chloride (Cl)	Colorimetric method	86.0 305	78.3 - 93.7 277 - 332	mmol/L mg/dL
Copper (Cu)	Bathocuproin with deproteinization	141 22.1	118 - 164 18.5 - 23.2	µ g/dL µ mol/L
Iron (Fe)	Ferrozine	120 21.4	99 - 141 17.7 - 25.1	µ g/dL µ mol/L
	TPTZ	112 20.0	94 - 130 16.8 - 23.2	µ g/dL µ mol/L
TIBC Total Iron binding capacity	Precipitation with Mg carbonate	350 62.8	266 - 434 47,7 - 77.9	µ g/dL µ mol/L
Potassium (K)	I.S.E. Indirect potentiometry	3.11 12.2	2.83 - 3.39 11.1 - 13.3	mmol/L mg/dL
Lithium (Li)	I.S.E. Direct potentiometry	1.1 0.76	0.97 - 1.23 0.67 - 0.85	mmol/L mg/dL

Electrolytes

Magnesium (Mg)	Kalmagite method	2.30 0.95	2.02 - 2.58 0.83 - 1.06	mg/dL mmol/L
Sodium (Na)	I.S.E. Indirect potentiometry	120 276	108 - 132 249 - 303	mmol/L mg/dL
Inorg. Phosphorus (P)	Molybdate-UV	3.65 1,18	3.07 - 4.23 0.99 - 1.37	mg/dL mmol/L
Zinc (Zn) **	Color 5-Br PAPS	320	268 - 372	µg/dL

Proteins

Total Proteins	Biuret without sample blank	6.4 64.0	5.61 - 7.19 56.1 - 71.9	g/dL g/L
Albumin	Bromocresol green	4.55 45.5	3.74 - 5.36 37.4 - 53.6	g/dL g/L

Enzymes

Component	Method	Temp	Value	Range	Units
Amylase	CNPG3-Liquid	37°C	73.0	60.0 –86.0	U/L
CK Creatin-kinase	DGKCH / NVKC / SEQC	37°C	148	122 -174	U/L
CHE Cholinesterase	Substrate: Butyrylthiocholine	37°C	4821	3960-5682	U/L
ACP-P * Acid Phosphatase	Substrate: 1-Naphtylphosphate	37°C	32.0	24.5-39.5	U/L

ACP-P *	Sustrate: 1-Naphtylphosphate	37°C	22.0	15.0-29.0	U/L
ALP	IFCC	37°C	84.0	68.9-99.1	U/L
	DEA / DGKC	37°C	166.0	136.0-196.0	U/L
γ-GT	Szasz / Carboxi	37°C	40.0	32.8 - 47.2	U/L
GOT / AST	IFCC / Without pyridoxalphosphate	37°C	42.0	34.4 - 49.6	U/L
GPT / ALT	IFCC / Without pyridoxalphosphate	37°C	40.0	32.8 - 47.2	U/L
GLDH	DGKC	37°C	25.0	18.9 – 31.1	U/L
HBDH	DGKC	37°C	135.0	112.0-158.0	U/L
LIPASE	Colorimetric-kinetic method	37°C	35.2	28.8-41.6	U/L
LDH-P	SFBC / SEQC	37°C	320.0	261.0-379.0	U/L
LAP	Nagel	37°C	17.5	14.4-20.6	U/L

*Stable up to 24 hours at 4C after reconstitution

** Stable up to 1-4 weeks at 4C after reconstitution

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