

Precinorm U plus



12149435 160

 362745 Ver.1


2021-05

Roche/Hitachi **cobas c 502**, **cobas 8000 ISE** analyzers

Value sheet

Control serum Code: 186488

Diluent Code: 362748

Short name / component	Methods	ACN	Value	Range	1s	Unit
ALTL Alanine Aminotransferase	IFCC without pyridoxal phosphate serum, plasma	8685	42.0 0.701	34.5 - 49.5 0.575 - 0.827	2.5 0.042	U/L μKat/L
ALTLP Alanine Aminotransferase	IFCC with pyridoxal phosphate serum, plasma	8681	42.2 0.705	34.7 - 49.7 0.579 - 0.831	2.5 0.042	U/L μKat/L
ALB2 Albumin	BCG Gen.2 serum, plasma	8413	49.4 751 4.94	40.4 - 58.4 616 - 886 4.04 - 5.84	3.0 45 0.30	g/L μmol/L g/dL
ALBP Albumin	BCP serum, plasma	8760	38.3 582 3.83	31.4 - 45.2 477 - 687 3.14 - 4.52	2.3 35 0.23	g/L μmol/L g/dL
ALP2L Alkaline Phosphatase	IFCC acc. to Tietz Gen.2 serum, plasma	8683 *	85.0 1.42	69.7 - 100.3 1.15 - 1.69	5.1 0.09	U/L μKat/L
ALP2L Alkaline Phosphatase	IFCC acc. to Schumann Gen.2 serum, plasma	8683	89.1 1.49	73.2 - 105.0 1.22 - 1.76	5.3 0.09	U/L μKat/L
ALP2S Alkaline Phosphatase	IFCC acc. to Tietz Gen.2 serum, plasma	8158 *	85.0 1.42	69.7 - 100.3 1.15 - 1.69	5.1 0.09	U/L μKat/L
ALP2S Alkaline Phosphatase	IFCC acc. to Schumann Gen.2 serum, plasma	8158	89.1 1.49	73.2 - 105.0 1.22 - 1.76	5.3 0.09	U/L μKat/L
AMYL2 alpha Amylase	IFCC liquid ver.2 serum, plasma, urine	8570	76.5 1.28	62.7 - 90.3 1.04 - 1.52	4.6 0.08	U/L μKat/L
AMYL2 alpha Amylase	IFCC liquid ver.2 STAT serum, plasma, urine	8566	76.5 1.28	62.7 - 90.3 1.04 - 1.52	4.6 0.08	U/L μKat/L
AMY-P alpha Amylase pancreatic	EPS ver.2 serum, plasma, urine	8571	35.5 0.593	29.2 - 41.8 0.485 - 0.701	2.1 0.036	U/L μKat/L

* not encoded in e-barcode

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ASTL Aspartate Aminotransferase	IFCC without pyridoxal phosphate serum, plasma	8687	38.5 0.643	31.6 - 45.4 0.526 - 0.760	2.3 0.039	U/L μKat/L
ASTL Aspartate Aminotransferase	IFCC without pyridoxal phosphate STAT serum, plasma	8587	38.5 0.643	31.6 - 45.4 0.526 - 0.760	2.3 0.039	U/L μKat/L
ASTLP Aspartate Aminotransferase	IFCC with pyridoxal phosphate serum, plasma	8680	40.2 0.671	33.0 - 47.4 0.551 - 0.791	2.4 0.040	U/L μKat/L
CO2-L Bicarbonate	kinetic liquid serum, plasma	8156	15.6	12.9 - 18.3	0.9	mmol/L
CO2-L Bicarbonate	kinetic liquid STAT serum, plasma	8763	15.6	12.9 - 18.3	0.9	mmol/L
BILD2 Bilirubin direct	Diazo Gen.2 Doumas serum, plasma	8735	10.8 0.632 6.32	8.1 - 13.5 0.479 - 0.785 4.79 - 7.85	0.9 0.051 0.51	μmol/L mg/dL mg/L
BILT3 Bilirubin total	Gen.3 serum, plasma	8297	17.2 1.01 10.1	14.2 - 20.2 0.83 - 1.19 8.3 - 11.9	1.0 0.06 0.6	μmol/L mg/dL mg/L
BILT3 Bilirubin total	Gen.3 serum, plasma	8712	17.2 1.01 10.1	14.2 - 20.2 0.83 - 1.19 8.3 - 11.9	1.0 0.06 0.6	μmol/L mg/dL mg/L
BILT3 Bilirubin total	Gen.3 serum, plasma STAT	8296	17.2 1.01 10.1	14.2 - 20.2 0.83 - 1.19 8.3 - 11.9	1.0 0.06 0.6	μmol/L mg/dL mg/L
BILT3 Bilirubin total	Gen.3 serum, plasma STAT	8711	17.2 1.01 10.1	14.2 - 20.2 0.83 - 1.19 8.3 - 11.9	1.0 0.06 0.6	μmol/L mg/dL mg/L
UREAL Blood Urea Nitrogen	Urease/GLDH serum, plasma	8421	6.43 18.0 0.180	5.47 - 7.39 15.3 - 20.7 0.153 - 0.207	0.32 0.9 0.009	mmol/L mg/dL g/L
UREAL Blood Urea Nitrogen	Urease/GLDH STAT serum, plasma	8427	6.43 18.0 0.180	5.47 - 7.39 15.3 - 20.7 0.153 - 0.207	0.32 0.9 0.009	mmol/L mg/dL g/L

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CA2 Calcium	5-Nitro-5-methyl-BAPTA serum, plasma, urine	8698	2.22	1.95 - 2.49	0.09	mmol/L
			8.90	7.82 - 9.98	0.36	mg/dL
			89.0	78.2 - 99.8	3.6	mg/L
CA2 Calcium	5-Nitro-5-methyl-BAPTA serum, plasma, urine STAT	8699	2.22	1.95 - 2.49	0.09	mmol/L
			8.90	7.82 - 9.98	0.36	mg/dL
			89.0	78.2 - 99.8	3.6	mg/L
CHOL2 Cholesterol	CHOD-PAP Gen.2 stand. Abell-Kendall serum, plasma	8433	1.73	1.46 - 2.00	0.09	mmol/L
			66.9	57.0 - 76.8	3.3	mg/dL
			0.669	0.570 - 0.768	0.033	g/L
CHOL2 Cholesterol	CHOD-PAP Gen.2 stand. ID/MS serum, plasma	8798	1.70	1.43 - 1.97	0.09	mmol/L
			65.7	55.8 - 75.6	3.3	mg/dL
			0.657	0.558 - 0.756	0.033	g/L
CHE2 Cholinesterase	butyrylthiocholine Gen.2 serum, plasma	8510	5650	4630 - 6670	340	U/L
			94.4	77.3 - 111.5	5.7	μKat/L
			5.65	4.63 - 6.67	0.34	kU/L
CHED2 Cholinesterase	butyrylthiocholine Gen.2 serum, plasma	8534	5650	4630 - 6670	340	U/L
			94.4	77.3 - 111.5	5.7	μKat/L
			5.65	4.63 - 6.67	0.34	kU/L
CK Creatine Kinase	UV acc. to IFCC liquid serum, plasma	8550	145	118 - 172	9	U/L
			2.42	1.97 - 2.87	0.15	μKat/L
CKL Creatine Kinase	UV IFCC liquid serum, plasma	8057	145	118 - 172	9	U/L
			2.42	1.97 - 2.87	0.15	μKat/L
CREJ2 Creatinine	Jaffé compensated Gen.2 STAT serum, plasma	8773	82.8	67.8 - 97.8	5.0	μmol/L
			0.936	0.768 - 1.104	0.056	mg/dL
			0.0828	0.0678 - 0.0978	0.0050	mmol/L
			9.36	7.68 - 11.04	0.56	mg/L
CREJ2 Creatinine	Jaffé rate-blanked and compensated Gen.2 serum, plasma	8690	96.9	79.5 - 114.3	5.8	μmol/L
			1.09	0.88 - 1.30	0.07	mg/dL
			0.0969	0.0795 - 0.1143	0.0058	mmol/L
			10.9	8.8 - 13.0	0.7	mg/L

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CREP2 Creatinine	plus ver.2 serum, plasma	8452	80.4 0.909 0.0804	66.0 - 94.8 0.744 - 1.074 0.0660 - 0.0948	4.8 0.055 0.0048	μmol/L mg/dL mmol/L
DBILI Direct Bilirubin	Jendrassik-Grof serum, plasma	8006	0.566 9.68	0.431 - 0.701 7.37 - 11.99	0.045 0.77	mg/dL μmol/L
GGT-2 gamma Glutamyltransferase	liquid stand. IFCC serum, plasma	8220	51.2 0.855	41.9 - 60.5 0.702 - 1.008	3.1 0.051	U/L μKat/L
GGT-2 gamma Glutamyltransferase	liquid stand. Szasz serum, plasma	8480	44.2 0.738	36.1 - 52.3 0.606 - 0.870	2.7 0.044	U/L μKat/L
GLUC2 Glucose	HK serum, plasma, urine, CSF	8767	4.97 89.6 0.896	4.22 - 5.72 76.1 - 103.1 0.761 - 1.031	0.25 4.5 0.045	mmol/L mg/dL g/L
GLUC2 Glucose	HK STAT serum, plasma, urine, CSF	8525	4.97 89.6 0.896	4.22 - 5.72 76.1 - 103.1 0.761 - 1.031	0.25 4.5 0.045	mmol/L mg/dL g/L
GLUC3 Glucose	HK serum, plasma, urine, CSF	8717	4.97 89.6 0.896	4.22 - 5.72 76.1 - 103.1 0.761 - 1.031	0.25 4.5 0.045	mmol/L mg/dL g/L
GLUC3 Glucose	HK STAT serum, plasma, urine, CSF	8668	4.97 89.6 0.896	4.22 - 5.72 76.1 - 103.1 0.761 - 1.031	0.25 4.5 0.045	mmol/L mg/dL g/L
ISE Cl I.S.E. Chloride	I.S.E. indirect potentiometry serum, plasma	991	92.1 326	83.7 - 100.5 296 - 356	2.8 10	mmol/L mg/dL
ISE K I.S.E. Potassium	I.S.E. indirect potentiometry serum, plasma	990	3.38 13.2	3.08 - 3.68 12.0 - 14.4	0.10 0.4	mmol/L mg/dL
ISE Na I.S.E. Sodium	I.S.E. indirect potentiometry serum, plasma	989	124 285	112 - 136 258 - 312	4 9	mmol/L mg/dL

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IRON2 Iron	FerroZine Gen.2 serum, plasma	8661	18.5 103 1.03	15.2 - 21.8 85 - 121 0.85 - 1.21	1.1 6 0.06	μmol/L μg/dL mg/L
LACT2 Lactate	enzymatic colorimetric test Gen.2 plasma, CSF	8040	1.58 14.2 142	1.31 - 1.85 11.5 - 16.9 115 - 169	0.09 0.9 9	mmol/L mg/dL mg/L
LACT2 Lactate	enzymatic colorimetric test Gen.2 STAT plasma, CSF	8047	1.58 14.2 142	1.31 - 1.85 11.5 - 16.9 115 - 169	0.09 0.9 9	mmol/L mg/dL mg/L
LDHI2 Lactate dehydrogenase	IFCC liquid ver.2 sample pre-dilution serum, plasma	8147	145 2.42	118 - 172 1.97 - 2.87	9 0.15	U/L μKat/L
LDHI2 Lactate dehydrogenase	IFCC liquid ver.2 serum, plasma	8080	145 2.42	118 - 172 1.97 - 2.87	9 0.15	U/L μKat/L
LIPC Lipase	enzymatic colorimetric test serum, plasma	8731	44.8 0.748	36.7 - 52.9 0.613 - 0.883	2.7 0.045	U/L μKat/L
LIPC Lipase	enzymatic colorimetric test STAT serum, plasma	8733	44.8 0.748	36.7 - 52.9 0.613 - 0.883	2.7 0.045	U/L μKat/L
LIPC Lipase	enzymatic colorimetric test STAT serum, plasma	8786	44.8 0.748	36.7 - 52.9 0.613 - 0.883	2.7 0.045	U/L μKat/L
LIPC Lipase	enzymatic colorimetric test serum, plasma	8789	44.8 0.748	36.7 - 52.9 0.613 - 0.883	2.7 0.045	U/L μKat/L
LI Lithium	colorimetric test serum, plasma	8136	0.789 0.548	0.693 - 0.885 0.482 - 0.614	0.032 0.022	mmol/L mg/dL
MG2 Magnesium	xylydyl blue method serum, plasma	8701	0.801 1.95 1.60 19.5	0.705 - 0.897 1.71 - 2.19 1.42 - 1.78 17.1 - 21.9	0.032 0.08 0.06 0.8	mmol/L mg/dL mVal/L mg/L
MG2 Magnesium	xylydyl blue method STAT serum, plasma	8688	0.801 1.95 1.60 19.5	0.705 - 0.897 1.71 - 2.19 1.42 - 1.78 17.1 - 21.9	0.032 0.08 0.06 0.8	mmol/L mg/dL mVal/L mg/L

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PHOS2 Phosphate (inorganic)	molybdate UV ver.2 serum, plasma	8714	1.12 3.47 34.7	0.94 - 1.30 2.96 - 3.98 29.6 - 39.8	0.06 0.17 1.7	mmol/L mg/dL mg/L
PHOS2 Phosphate (inorganic)	molybdate UV ver.2 STAT serum, plasma	8675	1.12 3.47 34.7	0.94 - 1.30 2.96 - 3.98 29.6 - 39.8	0.06 0.17 1.7	mmol/L mg/dL mg/L
TP2 Total Protein	Biuret Gen.2 serum, plasma	8678	64.3 6.43	56.5 - 72.1 5.65 - 7.21	2.6 0.26	g/L g/dL
TP2 Total Protein	Biuret Gen.2 STAT serum, plasma	8679	64.3 6.43	56.5 - 72.1 5.65 - 7.21	2.6 0.26	g/L g/dL
TRIGL Triglycerides	GPO-PAP serum, plasma	8781	1.27 112 1.12	1.09 - 1.45 94 - 130 0.94 - 1.30	0.06 6 0.06	mmol/L mg/dL g/L
TRIGB Triglycerides/Glycerol Blanked	glycerol blanked serum, plasma	8783	0.292 25.8 0.258	0.247 - 0.337 21.9 - 29.7 0.219 - 0.297	0.015 1.3 0.013	mmol/L mg/dL g/L
UIBC Unsaturated Iron-Binding Capacity	FerroZine serum, plasma	8779	22.5 126 1.26	17.7 - 27.3 99 - 153 0.99 - 1.53	1.6 9 0.09	µmol/L µg/dL mg/L
UREAL Urea	Urease/GLDH serum, plasma	8418	6.43 38.6 0.386	5.47 - 7.39 32.9 - 44.3 0.329 - 0.443	0.32 1.9 0.019	mmol/L mg/dL g/L
UREAL Urea	Urease/GLDH STAT serum, plasma	8419	6.43 38.6 0.386	5.47 - 7.39 32.9 - 44.3 0.329 - 0.443	0.32 1.9 0.019	mmol/L mg/dL g/L
UA2 Uric Acid	enzymatic colorimetric test ver.2 serum, plasma	8700	4.30 256 43.0	3.64 - 4.96 217 - 295 36.4 - 49.6	0.22 13 2.2	mg/dL µmol/L mg/L

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