


Precipath U plus

12149443 160

 305640 Ver.1


2021-05

Roche/Hitachi **cobas c** 501/311 analyzers


Value sheet

Short name / component	Methods	ACN	Value	Range	1s	Unit
ALTL Alanine Aminotransferase	IFCC without pyridoxal phosphate serum, plasma	685	124 2.07	103 - 145 1.71 - 2.43	7 0.12	U/L μKat/L
ALTLP Alanine Aminotransferase	IFCC with pyridoxal phosphate serum, plasma	684	126 2.10	102 - 150 1.71 - 2.49	8 0.13	U/L μKat/L
ALB2 Albumin	BCG Gen.2 serum, plasma	413	31.4 477 3.14	25.7 - 37.1 390 - 564 2.57 - 3.71	1.9 29 0.19	g/L μmol/L g/dL
ALBP Albumin	BCP serum, plasma	760	27.7 421 2.77	22.6 - 32.8 346 - 496 2.26 - 3.28	1.7 25 0.17	g/L μmol/L g/dL
ALP2L Alkaline Phosphatase	IFCC acc. to Tietz Gen.2 serum, plasma	683 *	228 3.81	186 - 270 3.12 - 4.50	14 0.23	U/L μKat/L
ALP2L Alkaline Phosphatase	IFCC acc. to Schumann Gen.2 serum, plasma	683	239 3.99	197 - 281 3.27 - 4.71	14 0.24	U/L μKat/L
ALP2S Alkaline Phosphatase	IFCC acc. to Tietz Gen.2 serum, plasma	158 *	228 3.81	186 - 270 3.12 - 4.50	14 0.23	U/L μKat/L
ALP2S Alkaline Phosphatase	IFCC acc. to Schumann Gen.2 serum, plasma	158	239 3.99	197 - 281 3.27 - 4.71	14 0.24	U/L μKat/L
AMYL2 alpha Amylase	IFCC liquid ver.2 serum, plasma, urine	570	190 3.17	157 - 223 2.60 - 3.74	11 0.19	U/L μKat/L
AMYL2 alpha Amylase	IFCC liquid ver.2 STAT serum, plasma, urine	566	190 3.17	157 - 223 2.60 - 3.74	11 0.19	U/L μKat/L
AMY-P alpha Amylase pancreatic	EPS ver.2 serum, plasma, urine	571	92.9 1.55	76.1 - 109.7 1.28 - 1.82	5.6 0.09	U/L μKat/L

* not encoded in e-barcode

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 **305640 Ver.1**


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ASTL Aspartate Aminotransferase	IFCC without pyridoxal phosphate serum, plasma	687	121 2.02	100 - 142 1.66 - 2.38	7 0.12	U/L μKat/L
ASTL Aspartate Aminotransferase	IFCC without pyridoxal phosphate STAT serum, plasma	587	121 2.02	100 - 142 1.66 - 2.38	7 0.12	U/L μKat/L
ASTLP Aspartate Aminotransferase	IFCC with pyridoxal phosphate serum, plasma	686	122 2.04	101 - 143 1.68 - 2.40	7 0.12	U/L μKat/L
CO2-L Bicarbonate	kinetic liquid serum, plasma	156	31.5	25.8 - 37.2	1.9	mmol/L
CO2-L Bicarbonate	kinetic liquid STAT serum, plasma	763	31.5	25.8 - 37.2	1.9	mmol/L
BILD2 Bilirubin direct	Diazo Gen.2 Doumas serum, plasma	735	34.9 2.04 20.4	26.5 - 43.3 1.56 - 2.52 15.6 - 25.2	2.8 0.16 1.6	μmol/L mg/dL mg/L
BILT3 Bilirubin total	Gen.3 serum, plasma	297	67.2 3.93 39.3	55.2 - 79.2 3.21 - 4.65 32.1 - 46.5	4.0 0.24 2.4	μmol/L mg/dL mg/L
BILT3 Bilirubin total	Gen.3 serum, plasma	712	67.2 3.93 39.3	55.2 - 79.2 3.21 - 4.65 32.1 - 46.5	4.0 0.24 2.4	μmol/L mg/dL mg/L
BILT3 Bilirubin total	Gen.3 serum, plasma STAT	296	67.2 3.93 39.3	55.2 - 79.2 3.21 - 4.65 32.1 - 46.5	4.0 0.24 2.4	μmol/L mg/dL mg/L
BILT3 Bilirubin total	Gen.3 serum, plasma STAT	711	67.2 3.93 39.3	55.2 - 79.2 3.21 - 4.65 32.1 - 46.5	4.0 0.24 2.4	μmol/L mg/dL mg/L
UREAL Blood Urea Nitrogen	Urease/GLDH serum, plasma, urine	421	19.5 54.6 0.546	16.5 - 22.5 46.5 - 62.7 0.465 - 0.627	1.0 2.7 0.027	mmol/L mg/dL g/L
UREAL Blood Urea Nitrogen	Urease/GLDH STAT serum, plasma, urine	427	19.5 54.6 0.546	16.5 - 22.5 46.5 - 62.7 0.465 - 0.627	1.0 2.7 0.027	mmol/L mg/dL g/L

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CA2 Calcium	5-Nitro-5-methyl-BAPTA serum, plasma, urine	698	3.48 14.0 140	3.06 - 3.90 12.2 - 15.8 122 - 158	0.14 0.6 6	mmol/L mg/dL mg/L
CA2 Calcium	5-Nitro-5-methyl-BAPTA serum, plasma, urine STAT	699	3.48 14.0 140	3.06 - 3.90 12.2 - 15.8 122 - 158	0.14 0.6 6	mmol/L mg/dL mg/L
CHOL2 Cholesterol	CHOD-PAP Gen.2 stand. Abell-Kendall serum, plasma	433	4.73 183 1.83	4.01 - 5.45 156 - 210 1.56 - 2.10	0.24 9 0.09	mmol/L mg/dL g/L
CHOL2 Cholesterol	CHOD-PAP Gen.2 stand. ID/MS serum, plasma	798	4.66 180 1.80	3.97 - 5.35 153 - 207 1.53 - 2.07	0.23 9 0.09	mmol/L mg/dL g/L
CHE2 Cholinesterase	butyrylthiocholine Gen.2 serum, plasma	510	5150 86.0 5.15	4220 - 6080 70.4 - 101.6 4.22 - 6.08	310 5.2 0.31	U/L μKat/L kU/L
CHED2 Cholinesterase	butyrylthiocholine Gen.2 serum, plasma	534	5150 86.0 5.15	4220 - 6080 70.4 - 101.6 4.22 - 6.08	310 5.2 0.31	U/L μKat/L kU/L
CK Creatine Kinase	UV acc. to IFCC liquid serum, plasma	550	427 7.13	349 - 505 5.84 - 8.42	26 0.43	U/L μKat/L
CKL Creatine Kinase	UV IFCC liquid serum, plasma	057	427 7.13	349 - 505 5.84 - 8.42	26 0.43	U/L μKat/L
CREJ2 Creatinine	Jaffé compensated Gen.2 STAT serum, plasma	773	304 3.44 0.304 34.4	250 - 358 2.81 - 4.07 0.250 - 0.358 28.1 - 40.7	18 0.21 0.018 2.1	μmol/L mg/dL mmol/L mg/L
CREJ2 Creatinine	Jaffé rate-blanked and compensated Gen.2 serum, plasma	690	320 3.62 0.320 36.2	263 - 377 2.96 - 4.28 0.263 - 0.377 29.6 - 42.8	19 0.22 0.019 2.2	μmol/L mg/dL mmol/L mg/L

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CREP2 Creatinine	plus ver.2 serum, plasma, urine	452	309 3.49 0.309	252 - 366 2.86 - 4.12 0.252 - 0.366	19 0.21 0.019	μmol/L mg/dL mmol/L
DBILI Direct Bilirubin	Jendrassik-Grof serum, plasma	006	2.06 35.2	1.58 - 2.54 26.8 - 43.6	0.16 2.8	mg/dL μmol/L
GGT-2 gamma Glutamyltransferase	liquid stand. IFCC serum, plasma	220	247 4.12	202 - 292 3.37 - 4.87	15 0.25	U/L μKat/L
GGT-2 gamma Glutamyltransferase	liquid stand. Szasz serum, plasma	480	214 3.57	175 - 253 2.94 - 4.20	13 0.21	U/L μKat/L
GLUC2 Glucose	HK serum, plasma, urine, CSF	767	12.6 227 2.27	10.8 - 14.4 194 - 260 1.94 - 2.60	0.6 11 0.11	mmol/L mg/dL g/L
GLUC2 Glucose	HK STAT serum, plasma, urine, CSF	525	12.6 227 2.27	10.8 - 14.4 194 - 260 1.94 - 2.60	0.6 11 0.11	mmol/L mg/dL g/L
GLUC3 Glucose	HK serum, plasma, urine, CSF	717	12.6 227 2.27	10.8 - 14.4 194 - 260 1.94 - 2.60	0.6 11 0.11	mmol/L mg/dL g/L
GLUC3 Glucose	HK STAT serum, plasma, urine, CSF	668	12.6 227 2.27	10.8 - 14.4 194 - 260 1.94 - 2.60	0.6 11 0.11	mmol/L mg/dL g/L
ISE Cl I.S.E. Chloride	I.S.E. indirect potentiometry serum, plasma	991	112 397	103 - 121 361 - 433	3 12	mmol/L mg/dL
ISE K I.S.E. Potassium	I.S.E. indirect potentiometry serum, plasma	990	6.18 24.2	5.61 - 6.75 22.1 - 26.3	0.19 0.7	mmol/L mg/dL
ISE Na I.S.E. Sodium	I.S.E. indirect potentiometry serum, plasma	989	149 343	137 - 161 313 - 373	4 10	mmol/L mg/dL
IRON2 Iron	FerroZine Gen.2 serum, plasma	661	41.9 234 2.34	34.4 - 49.4 192 - 276 1.92 - 2.76	2.5 14 0.14	μmol/L μg/dL mg/L

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LACT2 Lactate	enzymatic colorimetric test Gen.2 plasma, CSF	040	3.38 30.5 305	2.78 - 3.98 25.1 - 35.9 251 - 359	0.20 1.8 18	mmol/L mg/dL mg/L
LACT2 Lactate	enzymatic colorimetric test Gen.2 STAT plasma, CSF	047	3.38 30.5 305	2.78 - 3.98 25.1 - 35.9 251 - 359	0.20 1.8 18	mmol/L mg/dL mg/L
LDHI2 Lactate dehydrogenase	IFCC liquid ver.2 sample pre-dilution serum, plasma	147	313 5.23	256 - 370 4.30 - 6.16	19 0.31	U/L μKat/L
LDHI2 Lactate dehydrogenase	IFCC liquid ver.2 serum, plasma	080	313 5.23	256 - 370 4.30 - 6.16	19 0.31	U/L μKat/L
LIPC Lipase	enzymatic colorimetric test serum, plasma	731	108 1.80	90 - 126 1.47 - 2.13	6 0.11	U/L μKat/L
LIPC Lipase	enzymatic colorimetric test STAT serum, plasma	733	108 1.80	90 - 126 1.47 - 2.13	6 0.11	U/L μKat/L
LIPC Lipase	enzymatic colorimetric test STAT serum, plasma	786	108 1.80	90 - 126 1.47 - 2.13	6 0.11	U/L μKat/L
LIPC Lipase	enzymatic colorimetric test serum, plasma	789	108 1.80	90 - 126 1.47 - 2.13	6 0.11	U/L μKat/L
LI Lithium	colorimetric test serum, plasma	136	1.96 1.36	1.72 - 2.20 1.21 - 1.51	0.08 0.05	mmol/L mg/dL
MG2 Magnesium	xylydyl blue method serum, plasma	701	1.40 3.40 2.80 34.0	1.22 - 1.58 2.98 - 3.82 2.47 - 3.13 29.8 - 38.2	0.06 0.14 0.11 1.4	mmol/L mg/dL mVal/L mg/L
MG2 Magnesium	xylydyl blue method STAT serum, plasma	688	1.40 3.40 2.80 34.0	1.22 - 1.58 2.98 - 3.82 2.47 - 3.13 29.8 - 38.2	0.06 0.14 0.11 1.4	mmol/L mg/dL mVal/L mg/L

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PHOS2 Phosphate (inorganic)	molybdate UV ver.2 serum, plasma, urine	714	2.14 6.63 66.3	1.81 - 2.47 5.64 - 7.62 56.4 - 76.2	0.11 0.33 3.3	mmol/L mg/dL mg/L
PHOS2 Phosphate (inorganic)	molybdate UV ver.2 STAT serum, plasma, urine	675	2.14 6.63 66.3	1.81 - 2.47 5.64 - 7.62 56.4 - 76.2	0.11 0.33 3.3	mmol/L mg/dL mg/L
TP2 Total Protein	Biuret Gen.2 serum, plasma	678	47.3 4.73	41.6 - 53.0 4.16 - 5.30	1.9 0.19	g/L g/dL
TP2 Total Protein	Biuret Gen.2 STAT serum, plasma	679	47.3 4.73	41.6 - 53.0 4.16 - 5.30	1.9 0.19	g/L g/dL
TRIGL Triglycerides	GPO-PAP serum, plasma	781	2.55 226 2.26	2.16 - 2.94 193 - 259 1.93 - 2.59	0.13 11 0.11	mmol/L mg/dL g/L
TRIGB Triglycerides/Glycerol Blanked	glycerol blanked serum, plasma	783	0.351 31.1 0.311	0.297 - 0.405 26.3 - 35.9 0.263 - 0.359	0.018 1.6 0.016	mmol/L mg/dL g/L
UIBC Unsaturated Iron-Binding Capacity	FerroZine serum, plasma	779	35.1 196 1.96	27.6 - 42.6 154 - 238 1.54 - 2.38	2.5 14 0.14	μmol/L μg/dL mg/L
UREAL Urea	Urease/GLDH serum, plasma, urine	418	19.5 117 1.17	16.5 - 22.5 99 - 135 0.99 - 1.35	1.0 6 0.06	mmol/L mg/dL g/L
UREAL Urea	Urease/GLDH STAT serum, plasma, urine	419	19.5 117 1.17	16.5 - 22.5 99 - 135 0.99 - 1.35	1.0 6 0.06	mmol/L mg/dL g/L
UA2 Uric Acid	enzymatic colorimetric test ver.2 serum, plasma, urine	700	9.19 547 91.9	7.81 - 10.57 466 - 628 78.1 - 105.7	0.46 27 4.6	mg/dL μmol/L mg/L

