

TruCal U

LOT 34130



Cat. No. 5 9100 99 10 063 (20 x 3 mL)
5 9100 99 10 064 (6 x 3 mL)

2024-12-31



Updated sheets: www.diasys-diagnostics.com/service-area/value-sheets/

Value sheet version: 2

Short Name / Analyte	Method	Reagent ID	Traceability	Value	Unit
ALB Albumin	Bromcresol green	1 0220	ERM-DA 470	3.64 36.4	g/dL g/L
AP Alkaline phosphatase	DGKC 1970 37°C	1 0401	DGKC recommended formulation 37°C	500 8.33	U/L µkat/L
	IFCC 37°C	1 0441	IFCC recommended formulation 37°C	255 4.24	U/L µkat/L
ALT/GPT Alanine aminotransferase	IFCC with pyridoxal phosphate 37°C	1 2701 + 2 5010	Original IFCC formulation 37°C	95.8 1.60	U/L µkat/L
	w/o pyridoxal phosphate 37°C	1 2701	Modified IFCC formulation ε NADH, 37°C	98.3 1.64	U/L µkat/L
AST/GOT Aspartate aminotransferase	IFCC with pyridoxal phosphate 37°C	1 2601 + 2 5010	Original IFCC formulation 37°C	100 1.67	U/L µkat/L
	w/o pyridoxal phosphate 37°C	1 2601	Modified IFCC formulation ε NADH, 37°C	103 1.72	U/L µkat/L
AMY Amylase	EPS G-7	1 0501	Original IFCC formulation 37°C	181 3.01	U/L µkat/L
PAMY Pancreatic amylase	EPS G-7	1 0551	Modified IFCC formulation ε p-Nitrophenol, 37°C	167 2.79	U/L µkat/L
DBIL Direct Bilirubin	DCA	1 0821	Jendrassik-Grof	2.45 41.9 24.5	mg/dL µmol/L mg/L
TBIL Total Bilirubin	DCA	1 0811	SRM 916a	4.11 70.2 41.1	mg/dL µmol/L mg/L
BUN Urea N	Urease UV	1 3101	SRM 909b Level 1	49.5 17.6 0.495	mg/dL mmol/L g/L
	Colorimetric, Berthelot	1 3115	SRM 909b Level 1	51.3 18.3 0.513	mg/dL mmol/L g/L
CA Calcium	Arsenazo	1 1130	AAS	2.53 5.05 10.1	mmol/L mval/L mg/dL
	Phosphonazo	1 1181	AAS	2.73 5.46 10.9	mmol/L mval/L mg/dL
CHOL Cholesterol	CHOD-PAP	1 1300 1 1350	GC-IDMS	160 4.13 1.60	mg/dL mmol/L g/L
CHE Cholinesterase	Butyrylthiocholin	1 1401	DGKC recommended formulation 37°C	4734 78.9	U/L µkat/L
CK Creatine kinase	DGKC opt. IFCC 37°C	1 1601	Original IFCC formulation 37°C	361 6.02	U/L µkat/L

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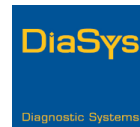
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CREA Creatinine	Enzymatic PAP	1 1759	GC-IDMS	3.81	mg/dL
				337	µmol/L
				38.1	mg/L
	Jaffé, w/o compensation	1 1711	GC-IDMS	3.81	mg/dL
				336	µmol/L
				38.1	mg/L
Jaffé, with compensation	1 1711	GC-IDMS	4.30	mg/dL	
			380	µmol/L	
			43.0	mg/L	
FE Iron	Ferene	1 1911	SRM 682	192	µg/dL
				34.4	µmol/L
				1.92	mg/L
	Ferene respons*920	1 1911	SRM 682	198	µg/dL
				35.4	µmol/L
				1.98	mg/L
GGT γ-Glutamyltransferase	Szasz liquid stand. Szasz	1 2801	Original formulation Persijn/v.d. Slik 1976, 37°C	87.3	U/L
				1.46	µkat/L
	Szasz liquid stand. IFCC	1 2801	Original IFCC formulation 37°C	98.7	U/L
				1.65	µkat/L
GLDH Glutamate dehydrogenase	DGKC 1970 37°C	1 2411	DGKC recommended formulation 37°C	25.9	U/L
				0.432	µkat/L
GLUC Glucose	GOD-PAP (10 min.)	1 2500	ID-MS	189	mg/dL
				10.5	mmol/L
	HK/G6P-DH	1 2511		1.89	g/L
				1 2531	
HBDH α-Hydroxybutyrate dehydro.	DGKC 37°C	1 3201	DGKC recommended formulation 37°C	263	U/L
				4.39	µkat/L
LACT Lactate	LDH UV	1 4001	Primary reference material	28.1	mg/dL
				3.12	mmol/L
				281	mg/L
LDH Lactate dehydrogenase	IFCC, DGKC 1994	1 4211	Original IFCC formulation 37°C	245	U/L
				4.09	µkat/L
	DGKC 1970	1 4201	DGKC recommended formulation 37°C	420	U/L
				7.00	µkat/L
IFCC, modified	1 4251	Original IFCC formulation 37°C	239	U/L	
			3.99	µkat/L	
LPS Lipase	Colorimetric	1 4321	Molar absorbance coefficient	102	U/L
				1.70	µkat/L
MG Magnesium	Xylidyl blue	1 4610	AAS	1.14	mmol/L
				2.28	mval/L
				2.77	mg/dL
PO3 Phosphorus	Molybdate UV	1 5211	Internal Standard	5.59	mg/dL
				1.80	mmol/L
				55.9	mg/L

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TP Total Protein	Biuret, with sample blank	1 2311	Modified Biuret method	5.41	g/dL
				54.1	g/L
	Biuret, without sample blank	1 2311	Modified Biuret method	5.94	g/dL
				59.4	g/L
TRIG Triglycerides	GPO-PAP	1 5760	GC-IDMS	144	mg/dL
		1 5710		1.62	mmol/L
				1.44	g/L
UIBC Unsat. Iron Binding Cap.	Ferene / Ferrozine	1 1921	Internal Standard	228	µg/dL
				40.8	µmol/L
				2.28	mg/L
UREA Urea	Urease UV	1 3101	SRM 909b Level 1	106	mg/dL
				17.6	mmol/L
				1.06	g/L
	Colorimetric, Berthelot	1 3115	SRM 909b Level 1	110	mg/dL
				18.3	mmol/L
			1.10	g/L	
UA Uric Acid	Uricase - TOOS	1 3001	GC ID-MS	5.42	mg/dL
				322	µmol/L
				54.2	mg/L
	Uricase - TBHBA	1 3021	GC ID-MS	5.43	mg/dL
				323	µmol/L
			54.3	mg/L	



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