


TruCal U

LOT 29546

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

 2021-05-31



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


Value sheet version: 1

Short Name / Analyte	Method	Reagent ID	Traceability	Value	Unit	
ALB Albumin	Bromcresol green	1 0220	ERM-DA 470	3.62	g/dL	
				36.2	g/L	
AP Alkaline phosphatase	DGKC 1970 37°C	1 0401	DGKC recommended formulation 37°C	463	U/L	
				7.72	µkat/L	
	IFCC 37°C	1 0441	IFCC recommended formulation 37°C	235	U/L	
				3.92	µkat/L	
ALT/GPT Alanine aminotransferase	IFCC with pyridoxal phosphate 37°C w/o pyridoxal phosphate 37°C	1 2701 +	Original IFCC formulation 37°C	93.1	U/L	
				2 5010	1.55	µkat/L
		1 2701	Modified IFCC formulation ε NADH, 37°C	92.9	U/L	
				1.55	µkat/L	
AST/GOT Aspartate aminotransferase	IFCC with pyridoxal phosphate 37°C w/o pyridoxal phosphate 37°C	1 2601 +	Original IFCC formulation 37°C	104	U/L	
				2 5010	1.73	µkat/L
		1 2601	Modified IFCC formulation ε NADH, 37°C	108	U/L	
				1.79	µkat/L	
AMY Amylase	EPS G-7	1 0501	Original IFCC formulation 37°C	167	U/L	
				2.78	µkat/L	
PAMY Pancreatic amylase	EPS G-7	1 0551	Modified IFCC formulation ε p-Nitrophenol, 37°C	154	U/L	
				2.57	µkat/L	
DBIL Direct Bilirubin	DCA	1 0821	Jendrassik-Grof	2.33	mg/dL	
				39.8	µmol/L	
				23.3	mg/L	
TBIL Total Bilirubin	DCA	1 0811	SRM 916a	4.26	mg/dL	
				72.8	µmol/L	
				42.6	mg/L	
BUN Urea N	Urease UV	1 3101	SRM 909b Level 1	48.9	mg/dL	
				17.4	mmol/L	
					0.489	g/L
	Colorimetric, Berthelot	1 3115	SRM 909b Level 1	52.9	mg/dL	
				18.9	mmol/L	
				0.529	g/L	
CA Calcium	Arsenazo	1 1130	AAS	2.65	mmol/L	
				5.29	mval/L	
	Phosponazo	1 1181	AAS	10.6	mg/dL	
				2.77	mmol/L	
				5.55	mval/L	
				11.1	mg/dL	
CHOL Cholesterol	CHOD-PAP	1 1300	GC-IDMS	170	mg/dL	
				1 1350	4.38	mmol/L
						1.70
CHE Cholinesterase	Butyrylthiocholin	1 1401	DGKC recommended formulation 37°C	4665	U/L	
				77.8	µkat/L	
CK Creatine kinase	DGKC opt. IFCC 37°C	1 1601	Original IFCC formulation 37°C	352	U/L	
				5.87	µkat/L	

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CREA Creatinine	Enzymatic PAP	1 1759	GC-IDMS	3.84	mg/dL
				339	µmol/L
				38.4	mg/L
	Jaffé, w/o compensation	1 1711	GC-IDMS	3.80	mg/dL
				336	µmol/L
				38.0	mg/L
	Jaffé, with compensation	1 1711	GC-IDMS	4.31	mg/dL
				381	µmol/L
				43.1	mg/L
FE Iron	Ferene	1 911	SRM 682	186	µg/dL
				33.4	µmol/L
				1.86	mg/L
	Ferene respons*920	1 911	SRM 682	196	µg/dL
				35.2	µmol/L
				1.96	mg/L
GGT γ-Glutamyltransferase	Szasz liquid stand. Szasz	1 2801	Original formulation Persijn/v.d. Slik 1976, 37°C	119	U/L
				1.98	µkat/L
	Szasz liquid stand. IFCC	1 2801	Original IFCC formulation 37°C	134	U/L
				2.24	µkat/L
GLDH Glutamate dehydrogenase	DGKC 1970 37°C	1 2411	DGKC recommended formulation 37°C	27.2	U/L
				0.453	µkat/L
GLUC Glucose	GOD-PAP (10 min.) GOD-PAP (5 min.) HK/G6P-DH Gluc-DH	1 2500	ID-MS	188	mg/dL
		1 2550		10.4	mmol/L
		1 2511		1.88	g/L
		1 2531			
HBDH α-Hydroxybutyrate dehydro.	DGKC 37°C	1 3201	DGKC recommended formulation 37°C	275	U/L
				4.58	µkat/L
LACT Lactate	LDH UV	1 4001	Primary reference material	26.0	mg/dL
				2.89	mmol/L
				260	mg/L
LDH Lactate dehydrogenase	IFCC, DGKC 1994	1 4211	Original IFCC formulation 37°C	270	U/L
				4.49	µkat/L
	DGKC 1970	1 4201	DGKC recommended formulation 37°C	454	U/L
				7.57	µkat/L
LPS Lipase	Colorimetric	1 4321	Molar absorbance coefficient	94.7	U/L
				1.58	µkat/L
MG Magnesium	Xylidyl blue	1 4610	AAS	1.17	mmol/L
				2.35	mval/L
				2.85	mg/dL
PO3 Phosphorus	Molybdate UV	1 5211	Internal Standard	5.59	mg/dL
				1.81	mmol/L
				55.9	mg/L

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TP Total Protein	Biuret, with sample blank	1 2311	Modified Biuret method	5.42	g/dL
				54.2	g/L
	Biuret, without sample blank	1 2311	Modified Biuret method	6.01	g/dL
				60.1	g/L
TRIG Triglycerides	GPO-PAP	1 5760	GC-IDMS	135	mg/dL
		1 5710		1.52	mmol/L
				1.35	g/L
UIBC Unsat. Iron Binding Cap.	Ferene / Ferrozine	1 1921	Internal Standard	219	µg/dL
				39.2	µmol/L
				2.19	mg/L
	For reagent lots ≥ 29398	1 1921	Internal Standard	278	µg/dL
				49.8	µmol/L
			2.78	mg/L	
UREA Urea	Urease UV	1 3101	SRM 909b Level 1	105	mg/dL
				17.4	mmol/L
				1.05	g/L
	Colorimetric, Berthelot	1 3115	SRM 909b Level 1	113	mg/dL
			18.9	mmol/L	
			1.13	g/L	
UA Uric Acid	Uricase - TOOS	1 3001	GC ID-MS	5.06	mg/dL
				301	µmol/L
				50.6	mg/L
	Uricase - TBHBA	1 3021	GC ID-MS	4.96	mg/dL
			295	µmol/L	
			49.6	mg/L	



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