


TruCal U

LOT 31293

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

 **2023-04-30**



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	3.56	g/dL		
				35.6	g/L		
AP Alkaline phosphatase	DGKC 1970 37°C	1 0401	DGKC recommended formulation 37°C	450	U/L		
				1 0441	IFCC recommended formulation 37°C	224	U/L
						3.73	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	95.2	U/L		
				2 5010	Modified IFCC formulation ε NADH, 37°C	1.59	µkat/L
		1 2701	Modified IFCC formulation ε NADH, 37°C			97.3	U/L
				1.62	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	106	U/L		
				2 5010	Modified IFCC formulation ε NADH, 37°C	1.76	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	192	U/L		
				3.20	µkat/L		
PAMY Pancreatic amylase	EPS G-7	1 0551	Modified IFCC formulation ε p-Nitrophenol, 37°C	178	U/L		
				2.97	µkat/L		
DBIL Direct Bilirubin	DCA	1 0821	Jendrassik-Grof	2.47	mg/dL		
				42.3	µmol/L		
				24.7	mg/L		
TBIL Total Bilirubin	DCA	1 0811	SRM 916a	4.04	mg/dL		
				69.1	µmol/L		
				40.4	mg/L		
				0.517	g/L		
BUN Urea N	Urease UV	1 3101	SRM 909b Level 1	49.7	mg/dL		
				17.7	mmol/L		
	Colorimetric, Berthelot	1 3115	SRM 909b Level 1	0.497	g/L		
				51.7	mg/dL		
				18.4	mmol/L		
CA Calcium	Arsenazo	1 1130	AAS	2.56	mmol/L		
				5.12	mval/L		
	Phosponazo	1 1181	AAS	10.3	mg/dL		
				2.78	mmol/L		
				5.56	mval/L		
CHOL Cholesterol	CHOD-PAP	1 1300	GC-IDMS	162	mg/dL		
				1 1350	4.19	mmol/L	
				1.62	g/L		
CHE Cholinesterase	Butyrylthiocholin	1 1401	DGKC recommended formulation 37°C	4568	U/L		
				76.1	µkat/L		
CK Creatine kinase	DGKC opt. IFCC 37°C	1 1601	Original IFCC formulation 37°C	354	U/L		
				5.89	µkat/L		

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CREA Creatinine	Enzymatic PAP	1 1759	GC-IDMS	3.89	mg/dL
				344	µmol/L
				38.9	mg/L
	Jaffé, w/o compensation	1 1711	GC-IDMS	3.81	mg/dL
				337	µmol/L
				38.1	mg/L
	Jaffé, with compensation	1 1711	GC-IDMS	4.32	mg/dL
				382	µmol/L
				43.2	mg/L
FE Iron	Ferene	1 1911	SRM 682	191	µg/dL
				34.1	µmol/L
				1.91	mg/L
	Ferene respons*920	1 1911	SRM 682	202	µg/dL
				36.2	µmol/L
				2.02	mg/L
GGT γ-Glutamyltransferase	Szasz liquid stand. Szasz	1 2801	Original formulation Persijn/v.d. Slik 1976, 37°C	102	U/L
				1.70	µkat/L
	Szasz liquid stand. IFCC	1 2801	Original IFCC formulation 37°C	115	U/L
				1.92	µkat/L
GLDH Glutamate dehydrogenase	DGKC 1970 37°C	1 2411	DGKC recommended formulation 37°C	25.5	U/L
				0.425	µkat/L
GLUC Glucose	GOD-PAP (10 min.) GOD-PAP (5 min.) HK/G6P-DH Gluc-DH	1 2500	ID-MS	190	mg/dL
		1 2550		10.6	mmol/L
		1 2511		1.90	g/L
		1 2531			
HBDH α-Hydroxybutyrate dehydro.	DGKC 37°C	1 3201	DGKC recommended formulation 37°C	265	U/L
				4.42	µkat/L
LACT Lactate	LDH UV	1 4001	Primary reference material	27.8	mg/dL
				3.09	mmol/L
				278	mg/L
LDH Lactate dehydrogenase	IFCC, DGKC 1994	1 4211	Original IFCC formulation 37°C	262	U/L
				4.37	µkat/L
	DGKC 1970	1 4201	DGKC recommended formulation 37°C	440	U/L
				7.33	µkat/L
LPS Lipase	Colorimetric	1 4321	Molar absorbance coefficient	98.0	U/L
				1.63	µkat/L
MG Magnesium	Xylidyl blue	1 4610	AAS	1.13	mmol/L
				2.26	mval/L
				2.75	mg/dL
PO3 Phosphorus	Molybdate UV	1 5211	Internal Standard	5.61	mg/dL
				1.81	mmol/L
				56.1	mg/L

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TP Total Protein	Biuret, with sample blank	1 2311	Modified Biuret method	5.27	g/dL
				52.7	g/L
	Biuret, without sample blank	1 2311	Modified Biuret method	5.75	g/dL
				57.5	g/L
TRIG Triglycerides	GPO-PAP	1 5760	GC-IDMS	134	mg/dL
		1 5710		1.50	mmol/L
				1.34	g/L
UIBC Unsat. Iron Binding Cap.	Ferene / Ferrozine	1 1921	Internal Standard	190	µg/dL
				34.0	µmol/L
				1.90	mg/L
	For reagent lots ≥ 29398	1 1921	Internal Standard	238	µg/dL
				42.7	µmol/L
			2.38	mg/L	
UREA Urea	Urease UV	1 3101	SRM 909b Level 1	107	mg/dL
				17.7	mmol/L
				1.07	g/L
	Colorimetric, Berthelot	1 3115	SRM 909b Level 1	111	mg/dL
			18.4	mmol/L	
			1.11	g/L	
UA Uric Acid	Uricase - TOOS	1 3001	GC ID-MS	5.02	mg/dL
				299	µmol/L
				50.2	mg/L
	Uricase - TBHBA	1 3021	GC ID-MS	5.01	mg/dL
			298	µmol/L	
			50.1	mg/L	



DiaSys Diagnostic Systems GmbH
Alte Strasse 9 65558 Holzheim Germany
www.diasys-diagnostics.com