


TruCal U

LOT 28500

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

 **2021-12-31**



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	3.57	g/dL		
				35.7	g/L		
AP Alkaline phosphatase	DGKC 1970 37°C	1 0401	DGKC recommended formulation 37°C	446	U/L		
				1 0441	IFCC recommended formulation 37°C	226	U/L
						3.76	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	100	U/L		
		2 5010	37°C	1.67	µkat/L		
		1 2701	Modified IFCC formulation ε NADH, 37°C	103	U/L		
				1.71	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	100	U/L		
		2 5010	37°C	1.66	µkat/L		
		1 2601	Modified IFCC formulation ε NADH, 37°C	105	U/L		
				1.75	µkat/L		
AMY Amylase	EPS G-7	1 0501	Original IFCC formulation 37°C	181	U/L		
				3.02	µkat/L		
PAMY Pancreatic amylase	EPS G-7	1 0551	Modified IFCC formulation ε p-Nitrophenol, 37°C	168	U/L		
				2.79	µkat/L		
DBIL Direct Bilirubin	DCA	1 0821	Jendrassik-Grof	2.37	mg/dL		
				40.6	µmol/L		
				23.7	mg/L		
TBIL Total Bilirubin	DCA	1 0811	SRM 916a	4.03	mg/dL		
				68.9	µmol/L		
				40.3	mg/L		
BUN Urea N	Urease UV	1 3101	SRM 909b Level 1	49.5	mg/dL		
				17.6	mmol/L		
				0.495	g/L		
	Colorimetric, Berthelot	1 3115	SRM 909b Level 1	52.0	mg/dL		
				18.5	mmol/L		
				0.520	g/L		
CA Calcium	Arsenazo	1 1130	AAS	2.57	mmol/L		
				5.15	mval/L		
	Phosponazo	1 1181	AAS	10.3	mg/dL		
				2.76	mmol/L		
				5.53	mval/L		
CHOL Cholesterol	CHOD-PAP	1 1300	GC-IDMS	168	mg/dL		
		1 1350		4.34	mmol/L		
				1.68	g/L		
CHE Cholinesterase	Butyrylthiocholin	1 1401	DGKC recommended formulation 37°C	4558	U/L		
CK Creatine kinase	DGKC opt. IFCC 37°C	1 1601	Original IFCC formulation 37°C	363	U/L		
				6.05	µkat/L		

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CREA Creatinine	Enzymatic PAP	1 1759	GC-IDMS	3.90	mg/dL
				345	µmol/L
				39.0	mg/L
	Jaffé, w/o compensation	1 1711	GC-IDMS	3.87	mg/dL
				342	µmol/L
				38.7	mg/L
	Jaffé, with compensation	1 1711	GC-IDMS	4.35	mg/dL
				385	µmol/L
				43.5	mg/L
FE Iron	Ferene	1.911	SRM 682	188	µg/dL
				33.6	µmol/L
				1.88	mg/L
	Ferene respons*920	1.911	SRM 682	200	µg/dL
				35.9	µmol/L
				2.00	mg/L
GGT γ-Glutamyltransferase	Szasz liquid stand. Szasz	1 2801	Original formulation Persijn/v.d. Slik 1976, 37°C	128	U/L
				2.14	µkat/L
	Szasz liquid stand. IFCC	1 2801	Original IFCC formulation 37°C	145	U/L
				2.41	µkat/L
GLDH Glutamate dehydrogenase	DGKC 1970 37°C	1 2411	DGKC recommended formulation 37°C	27.0	U/L
				0.451	µkat/L
GLUC Glucose	GOD-PAP (10 min.) GOD-PAP (5 min.) HK/G6P-DH Gluc-DH	1 2500	ID-MS	192	mg/dL
		1 2550		10.6	mmol/L
		1 2511		1.92	g/L
		1 2531			
HBDH α-Hydroxybutyrate dehydro.	DGKC 37°C	1 3201	DGKC recommended formulation 37°C	283	U/L
				4.71	µkat/L
LACT Lactate	LDH UV	1 4001	Primary reference material	28.0	mg/dL
				3.10	mmol/L
				280	mg/L
LDH Lactate dehydrogenase	IFCC, DGKC 1994	1 4211	Original IFCC formulation 37°C	276	U/L
				4.60	µkat/L
	DGKC 1970	1 4201	DGKC recommended formulation 37°C	460	U/L
				7.66	µkat/L
LPS Lipase	Colorimetric	1 4321	Molar absorbance coefficient	95.8	U/L
				1.60	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	5.65	mg/dL
				1.82	mmol/L
				56.5	mg/L

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TP Total Protein	Biuret, with sample blank	1 2311	Modified Biuret method	5.25	g/dL
				52.5	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	136	mg/dL
		1 5710		1.53	mmol/L
				1.36	g/L
UIBC Unsat. Iron Binding Cap.	Ferene / Ferrozine	1 1921	Internal Standard	200	µg/dL
				35.9	µmol/L
				2.00	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	111	mg/dL
				18.5	mmol/L
1.11				g/L	
UA Uric Acid	Uricase - TOOS	1 3001	GC ID-MS	5.51	mg/dL
				328	µmol/L
				55.1	mg/L
	Uricase - TBHBA	1 3021	GC ID-MS	5.44	mg/dL
				323	µmol/L
			54.4	mg/L	



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