


## TruCal U

LOT 37792

Cat. No. 5 9100 99 10 063 (20 x 3 mL)  
5 9100 99 10 064 (6 x 3 mL) 2027-02-28Updated sheets: [www.diasys-diagnostics.com/service-area/value-sheets/](http://www.diasys-diagnostics.com/service-area/value-sheets/)


Value sheet version: 1

Short Name / Analyte	Method	Reagent Cat. No.	Traceability	Value	Unit
<b>ALB</b> Albumin	Bromcresol green	1 0220	ERM-DA 470	3.76 37.6	g/dL g/L
<b>AP</b> Alkaline phosphatase	IFCC 37°C	1 0441	IFCC recommended formulation 37°C	234 3.91	U/L µkat/L
<b>ALT</b> Alanine aminotransferase	IFCC with pyridoxal phosphate 37°C w/o pyridoxal phosphate 37°C	1 2701 + 2 5010 1 2701	Original IFCC formulation 37°C Modified IFCC formulation ε NADH, 37°C	96.0 1.60 96.8 1.61	U/L µkat/L U/L µkat/L
<b>AST</b> Aspartate aminotransferase	IFCC with pyridoxal phosphate 37°C w/o pyridoxal phosphate 37°C	1 2601 + 2 5010 1 2601	Original IFCC formulation 37°C Modified IFCC formulation ε NADH, 37°C	96.7 1.61 97.8 1.63	U/L µkat/L U/L µkat/L
<b>AMY</b> Amylase	EPS G-7	1 0501	Original IFCC formulation 37°C	174 2.90	U/L µkat/L
<b>PAMY</b> Pancreatic amylase	EPS G-7	1 0551	Modified IFCC formulation ε p-Nitrophenol, 37°C	157 2.62	U/L µkat/L
<b>DBIL</b> Direct Bilirubin	DCA	1 0821	Jendrassik-Grof	2.38 40.7 23.8	mg/dL µmol/L mg/L
<b>TBIL</b> Total Bilirubin	DCA	1 0811	SRM 916a	3.95 67.5 39.5	mg/dL µmol/L mg/L
<b>BUN</b> Urea N	Urease UV	1 3101	SRM 909b Level 1	49.1 17.5 0.491	mg/dL mmol/L g/L
<b>CAAS</b> Calcium	Arsenazo	1 1130	AAS	2.60 5.20 10.4	mmol/L mval/L mg/dL
<b>CA</b> Calcium	Phosphonazo	1 1181	AAS	2.80 5.60 11.2	mmol/L mval/L mg/dL
<b>CHOL</b> Cholesterol	CHOD-PAP	1 1300	GC-IDMS	153 3.96 1.53	mg/dL mmol/L g/L
<b>CHE</b> Cholinesterase	Butyrylthiocholin	1 1401	DGKC recommended formulation 37°C	5137 85.6	U/L µkat/L
<b>CK</b> Creatine kinase	DGKC opt. IFCC 37°C	1 1601	Original IFCC formulation 37°C	370 6.16	U/L µkat/L
<b>CREAP</b> Creatinine	Enzymatic PAP	1 1759	GC-IDMS	3.87 342 38.7	mg/dL µmol/L mg/L
<b>CREA</b> Creatinine	Jaffé, w/o compensation Jaffé, with compensation	1 1711 1 1711	GC-IDMS GC-IDMS	3.87 342 38.7 4.32 382 43.2	mg/dL µmol/L mg/L mg/dL µmol/L mg/L

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Short Name / Analyte	Method	Reagent Cat. No.	Traceability	Value	Unit
<b>FE</b> Iron	Ferene	1 1911	SRM 682	192	µg/dL
				34.3	µmol/L
				1.92	mg/L
	Ferene respons®920	1 1911	SRM 682	198	µg/dL
				35.4	µmol/L
				1.98	mg/L
<b>GGT</b> γ-Glutamyltransferase	Szasz liquid stand. Szasz	1 2801	Original formulation Persijn/v.d. Slik 1976, 37°C	83.9	U/L
				1.40	µkat/L
	Szasz liquid stand. IFCC	1 2801	Original IFCC formulation 37°C	94.9	U/L
				1.58	µkat/L
<b>GLDH</b> Glutamate dehydrogenase	DGKC 1970 37°C	1 2411	DGKC recommended formulation 37°C	27.4	U/L
				0.456	µkat/L
<b>GLUC / GLUHK</b> Glucose	GOD-PAP (10 min.)	1 2500	ID-MS	194	mg/dL
	HK/G6P-DH	1 2511		10.7	mmol/L
				1.94	g/L
<b>LACT</b> Lactate	LDH UV	1 4001	Primary reference material	27.8	mg/dL
				3.08	mmol/L
				278	mg/L
<b>LDH21</b> Lactate dehydrogenase	IFCC, modified	1 4251	Original IFCC formulation 37°C	262	U/L
				4.37	µkat/L
<b>LPS</b> Lipase	Colorimetric	1 4321	Molar absorbance coefficient	102	U/L
				1.69	µkat/L
<b>MG</b> Magnesium	Xylidyl blue	1 4610	AAS	1.15	mmol/L
				2.30	mval/L
				2.79	mg/dL
<b>PO4</b> Phosphorus	Molybdate UV	1 5211	Internal Standard	5.81	mg/dL
				1.87	mmol/L
				58.1	mg/L
<b>TP</b> Total Protein	Biuret, with sample blank	1 2311	Modified Biuret method	5.53	g/dL
				55.3	g/L
	Biuret, without sample blank	1 2311	Modified Biuret method	6.06	g/dL
				60.6	g/L
<b>TRIG</b> Triglycerides	GPO-PAP	1 5710	GC-IDMS	135	mg/dL
				1.52	mmol/L
				1.35	g/L
<b>UIBC</b> Unsat. Iron Binding Cap.	Ferene / Ferrozine	1 1921	Internal Standard	216	µg/dL
				38.8	µmol/L
				2.16	mg/L
<b>UREA</b> Urea	Urease UV	1 3101	SRM 909b Level 1	105	mg/dL
				17.5	mmol/L
				1.05	g/L
<b>UA</b> Uric Acid	Uricase - TOOS	1 3001	GC ID-MS	5.15	mg/dL
				306	µmol/L
				51.5	mg/L
<b>UATBH</b> Uric Acid	Uricase - TBHBA	1 3021	GC ID-MS	5.15	mg/dL
				306	µmol/L
				51.5	mg/L

