


# TruCal U

**LOT 36343**

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

 **2025-12-14**



Updated 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 ID	Traceability	Value	Unit
<b>ALB</b> Albumin	Bromcresol green	1 0220	ERM-DA 470	3.52 35.2	g/dL g/L
<b>AP</b> Alkaline phosphatase	IFCC 37°C	1 0441	IFCC recommended formulation 37°C	289 4.81	U/L µkat/L
<b>ALT</b> Alanine aminotransferase	IFCC	1 2701 +	Original IFCC formulation	93.3	U/L
	with pyridoxal phosphate 37°C	2 5010	37°C	1.56	µkat/L
	w/o pyridoxal phosphate 37°C	1 2701	Modified IFCC formulation ε NADH, 37°C	95.6 1.59	U/L µkat/L
<b>AST</b> Aspartate aminotransferase	IFCC	1 2601 +	Original IFCC formulation	104	U/L
	with pyridoxal phosphate 37°C	2 5010	37°C	1.73	µkat/L
	w/o pyridoxal phosphate 37°C	1 2601	Modified IFCC formulation ε NADH, 37°C	105 1.75	U/L µkat/L
<b>AMY</b> Amylase	EPS G-7	1 0501	Original IFCC formulation 37°C	180 3.00	U/L µkat/L
		1 0551	Modified IFCC formulation ε p-Nitrophenol, 37°C	165 2.76	U/L µkat/L
<b>PAMY</b> Pancreatic amylase	EPS G-7	1 0551	Modified IFCC formulation ε p-Nitrophenol, 37°C	2.76	µkat/L
<b>DBIL</b> Direct Bilirubin	DCA	1 0821	Jendrassik-Grof	2.37	mg/dL
				40.5	µmol/L
				23.7	mg/L
<b>TBIL</b> Total Bilirubin	DCA	1 0811	SRM 916a	4.03	mg/dL
				68.9	µmol/L
				40.3	mg/L
<b>BUN</b> Urea N	Urease UV	1 3101	SRM 909b Level 1	49.5	mg/dL
				17.7	mmol/L
				0.495	g/L
<b>CAAS</b> Calcium	Arsenazo	1 1130	AAS	2.52	mmol/L
				5.05	mval/L
				10.1	mg/dL
<b>CA</b> Calcium	Phosponazo	1 1181	AAS	2.72	mmol/L
				5.45	mval/L
				10.9	mg/dL
<b>CHOL</b> Cholesterol	CHOD-PAP	1 1300	GC-IDMS	156	mg/dL
				4.04	mmol/L
				1.56	g/L
<b>CHE</b> Cholinesterase	Butyrylthiocholin	1 1401	DGKC reommended formulation 37°C	4459 74.3	U/L µkat/L
<b>CK</b> Creatine kinase	DGKC opt.	1 1601	Original IFCC formulation	378	U/L
	IFCC 37°C		37°C	6.29	µkat/L
<b>CREAP</b> Creatinine	Enzymatic PAP	1 1759	GC-IDMS	3.87	mg/dL
				342	µmol/L
				38.7	mg/L
<b>CREA</b> Creatinine	Jaffé, w/o compensation	1 1711	GC-IDMS	3.86	mg/dL
				341	µmol/L
				38.6	mg/L
				4.36	mg/dL
				386	µmol/L
	Jaffé, with compensation	1 1711	GC-IDMS	43.6	mg/L

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<b>FE</b> Iron	Ferene	1 1911	SRM 682	186	µg/dL
				33.3	µmol/L
	Ferene respons*920	1 1911	SRM 682	1.86	mg/L
				186	µg/dL
<b>GGT</b> γ-Glutamyltransferase	Szasz liquid stand. Szasz	1 2801	Original formulation Persijn/v.d. Slik 1976, 37°C	1.36	µkat/L
				92.1	U/L
	Szasz liquid stand. IFCC	1 2801	Original IFCC formulation 37°C	1.54	µkat/L
<b>GLDH</b> Glutamate dehydrogenase	DGKC 1970 37°C	1 2411	DGKC recommended formulation 37°C	27.1	U/L
				0.451	µkat/L
<b>GLUC / GLUHK</b> Glucose	GOD-PAP (10 min.) HK/G6P-DH	1 2500	ID-MS	191	mg/dL
		1 2511		10.6	mmol/L
<b>HBDH</b> α-Hydroxybutyrate dehydro.	DGKC 37°C	1 3201	DGKC recommended formulation 37°C	1.91	g/L
				280	U/L
				4.67	µkat/L
<b>LACT</b> Lactate	LDH UV	1 4001	Primary reference material	29.1	mg/dL
				3.23	mmol/L
				291	mg/L
<b>LDH21</b> Lactate dehydrogenase	IFCC, modified	1 4251	Original IFCC formulation 37°C	268	U/L
				4.46	µkat/L
<b>LPS</b> Lipase	Colorimetric	1 4321	Molar absorbance coefficient	114	U/L
				1.91	µkat/L
<b>MG</b> Magnesium	Xylidyl blue	1 4610	AAS	1.14	mmol/L
				2.29	mval/L
				2.78	mg/dL
<b>PO4</b> Phosphorus	Molybdate UV	1 5211	Internal Standard	5.59	mg/dL
				1.80	mmol/L
				55.9	mg/L
<b>TP</b> Total Protein	Biuret, with sample blank	1 2311	Modified Biuret method	5.22	g/dL
				52.2	g/L
	Biuret, without sample blank	1 2311	Modified Biuret method	5.68	g/dL
<b>TRIG</b> Triglycerides	GPO-PAP	1 5710	GC-IDMS	56.8	g/L
				132	mg/dL
				1.48	mmol/L
<b>UIBC</b> Unsat. Iron Binding Cap.	Ferene / Ferrozine	1 1921	Internal Standard	1.32	g/L
				208	µg/dL
				37.3	µmol/L
<b>UREA</b> Urea	Urease UV	1 3101	SRM 909b Level 1	2.08	mg/L
				106	mg/dL
				17.7	mmol/L
<b>UA</b> Uric Acid	Uricase - TOOS	1 3001	GC ID-MS	1.06	g/L
				5.10	mg/dL
				303	µmol/L
<b>UATBH</b> Uric Acid	Uricase - TBHBA	1 3021	GC ID-MS	51.0	mg/L
				5.27	mg/dL
				314	µmol/L
				52.7	mg/L



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