


# TruCal U

**LOT** 39135

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

 **2027-12-31**



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 Cat. No.	Traceability	Value	Unit
<b>ALB</b> Albumin	Bromcresol green	1 0220	ERM-DA 470	3.77 37.7	g/dL g/L
<b>AP</b> Alkaline phosphatase	IFCC 37°C	1 0441	IFCC recommended formulation 37°C	232 3.87	U/L µkat/L
<b>ALT</b> Alanine aminotransferase	IFCC	1 2701 +	Original IFCC formulation	102	U/L
	with pyridoxal phosphate 37°C	2 5010	37°C	1.70	µkat/L
	w/o pyridoxal phosphate 37°C	1 2701	Modified IFCC formulation ε NADH, 37°C	102 1.70	U/L µkat/L
<b>AST</b> Aspartate aminotransferase	IFCC	1 2601 +	Original IFCC formulation	93.3	U/L
	with pyridoxal phosphate 37°C	2 5010	37°C	1.55	µkat/L
	w/o pyridoxal phosphate 37°C	1 2601	Modified IFCC formulation ε NADH, 37°C	93.6 1.56	U/L µkat/L
<b>AMY</b> Amylase	EPS G-7	1 0501	Original IFCC formulation 37°C	175 2.91	U/L µkat/L
<b>PAMY</b> Pancreatic amylase	EPS G-7	1 0551	Modified IFCC formulation ε p-Nitrophenol, 37°C	158 2.63	U/L µkat/L
<b>DBIL</b> Direct Bilirubin	DCA	1 0821	Jendrassik-Grof	2.43	mg/dL
				41.6	µmol/L
				24.3	mg/L
<b>TBIL</b> Total Bilirubin	DCA	1 0811	SRM 916a	4.06	mg/dL
				69.5	µmol/L
				40.6	mg/L
<b>BUN</b> Urea N	Urease UV	1 3101	SRM 909b Level 1	49.2	mg/dL
				17.5	mmol/L
				0.492	g/L
<b>CAAS</b> Calcium	Arsenazo	1 1130	AAS	2.62	mmol/L
				5.23	mval/L
				10.5	mg/dL
<b>CA</b> Calcium	Phosphonazo	1 1181	AAS	2.79	mmol/L
				5.58	mval/L
				11.2	mg/dL
<b>CHOL</b> Cholesterol	CHOD-PAP	1 1300	GC-IDMS	156	mg/dL
				4.05	mmol/L
				1.56	g/L
<b>CHE</b> Cholinesterase	Butyrylthiocholin	1 1401	DGKC recommended formulation 37°C	5168	U/L
				86.1	µkat/L
<b>CK</b> Creatine kinase	DGKC opt. IFCC 37°C	1 1601	Original IFCC formulation 37°C	360	U/L
				5.99	µkat/L
<b>CREAP</b> Creatinine	Enzymatic PAP	1 1759	GC-IDMS	3.86	mg/dL
				341	µmol/L
				38.6	mg/L
<b>CREA</b> Creatinine	Jaffé, w/o compensation	1 1711	GC-IDMS	3.84	mg/dL
				339	µmol/L
	Jaffé, with compensation	1 1711	GC-IDMS	38.4	mg/L
				4.28	mg/dL
				378	µmol/L
				42.8	mg/L

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<b>FE</b> Iron	Ferene	1 1911	SRM 682	189	µg/dL
				33.9	µmol/L
	Ferene respons <sup>®</sup> 920	1 1911	SRM 682	1.89	mg/L
				189	µg/dL
				33.9	µmol/L
				1.89	mg/L
<b>GGT</b> γ-Glutamyltransferase	Szasz liquid stand. Szasz	1 2801	Original formulation Persijn/v.d. Slik 1976, 37°C	84.8	U/L
				1.41	µkat/L
	Szasz liquid stand. IFCC	1 2801	Original IFCC formulation 37°C	95.8	U/L
				1.60	µkat/L
<b>GLDH</b> Glutamate dehydrogenase	DGKC 1970 37°C	1 2411	DGKC recommended formulation 37°C	25.1	U/L
				0.418	µkat/L
<b>GLUC / GLUHK</b> Glucose	GOD-PAP (10 min.)	1 2500	ID-MS	192	mg/dL
				10.7	mmol/L
	HK/G6P-DH	1 2511		1.92	g/L
<b>LACT</b> Lactate	LDH UV	1 4001	Primary reference material	27.4	mg/dL
				3.04	mmol/L
				274	mg/L
<b>LDH21</b> Lactate dehydrogenase	IFCC, modified	1 4251	Original IFCC formulation 37°C	272	U/L
				4.54	µkat/L
<b>LPS</b> Lipase	Colorimetric	1 4321	Molar absorbance coefficient	99.3	U/L
				1.65	µkat/L
<b>MG</b> Magnesium	Xylidyl blue	1 4610	AAS	1.15	mmol/L
				2.29	mval/L
				2.79	mg/dL
<b>PO4</b> Phosphorus	Molybdate UV	1 5211	Internal Standard	5.57	mg/dL
				1.80	mmol/L
				55.7	mg/L
<b>TP</b> Total Protein	Biuret, with sample blank	1 2311	Modified Biuret method	5.52	g/dL
				55.2	g/L
	Biuret, without sample blank	1 2311	Modified Biuret method	6.13	g/dL
				61.3	g/L
<b>TRIG</b> Triglycerides	GPO-PAP	1 5710	GC-IDMS	132	mg/dL
				1.48	mmol/L
				1.32	g/L
<b>UIBC</b> Unsat. Iron Binding Cap.	Ferene / Ferrozine	1 1921	Internal Standard	222	µg/dL
				39.7	µmol/L
				2.22	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	5.46	mg/dL
				325	µmol/L
				54.6	mg/L
<b>UATBH</b> Uric Acid	Uricase - TBHBA	1 3021	GC ID-MS	5.48	mg/dL
				326	µmol/L
				54.8	mg/L