


# TruCal U

**LOT** 30894

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

 **2022-10-31**



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 ID	Traceability	Value	Unit			
<b>ALB</b> Albumin	Bromcresol green	1 0220	ERM-DA 470	3.69	g/dL			
				36.9	g/L			
<b>AP</b> Alkaline phosphatase	DGKC 1970 37°C	1 0401	DGKC recommended formulation 37°C	444	U/L			
				IFCC 37°C	1 0441	IFCC recommended formulation 37°C	224	U/L
							3.73	µkat/L
<b>ALT/GPT</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	98.5	U/L			
				1.64	µkat/L			
				1.69	µkat/L			
<b>AST/GOT</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	105	U/L			
				1.75	µkat/L			
				1.82	µkat/L			
<b>AMY</b> Amylase	EPS G-7	1 0501	Original IFCC formulation 37°C	193	U/L			
				3.22	µkat/L			
<b>PAMY</b> Pancreatic amylase	EPS G-7	1 0551	Modified IFCC formulation ε p-Nitrophenol, 37°C	178	U/L			
				2.97	µkat/L			
<b>DBIL</b> Direct Bilirubin	DCA	1 0821	Jendrassik-Grof	2.42	mg/dL			
				41.3	µmol/L			
				24.2	mg/L			
<b>TBIL</b> Total Bilirubin	DCA	1 0811	SRM 916a	4.42	mg/dL			
				75.5	µmol/L			
				44.2	mg/L			
<b>BUN</b> Urea N	Urease UV	1 3101	SRM 909b Level 1	50.0	mg/dL			
				17.8	mmol/L			
	Colorimetric, Berthelot	1 3115	SRM 909b Level 1	0.500	g/L			
				50.5	mg/dL			
				18.0	mmol/L			
<b>CA</b> Calcium	Arsenazo	1 1130	AAS	2.62	mmol/L			
				5.24	mval/L			
	Phosponazo	1 1181	AAS	10.5	mg/dL			
				2.83	mmol/L			
				5.67	mval/L			
<b>CHOL</b> Cholesterol	CHOD-PAP	1 1300 1 1350	GC-IDMS	156	mg/dL			
				4.04	mmol/L			
				1.56	g/L			
<b>CHE</b> Cholinesterase	Butyrylthiocholin	1 1401	DGKC recommended formulation 37°C	4843	U/L			
<b>CK</b> Creatine kinase	DGKC opt. IFCC 37°C	1 1601	Original IFCC formulation 37°C	80.7	µkat/L			
				353	U/L			
				5.88	µkat/L			

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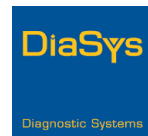
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<b>CREA</b> Creatinine	Enzymatic PAP	1 1759	GC-IDMS	3.92	mg/dL
				347	µmol/L
				39.2	mg/L
	Jaffé, w/o compensation	1 1711	GC-IDMS	3.85	mg/dL
				341	µmol/L
				38.5	mg/L
	Jaffé, with compensation	1 1711	GC-IDMS	4.34	mg/dL
				384	µmol/L
				43.4	mg/L
<b>FE</b> Iron	Ferene	1 1911	SRM 682	187	µg/dL
				33.5	µmol/L
				1.87	mg/L
	Ferene respons*920	1 1911	SRM 682	201	µg/dL
				36.0	µmol/L
				2.01	mg/L
<b>GGT</b> γ-Glutamyltransferase	Szasz liquid stand. Szasz	1 2801	Original formulation	112	U/L
			Persijn/v.d. Slik 1976, 37°C	1.87	µkat/L
	Szasz liquid stand. IFCC	1 2801	Original IFCC formulation	127	U/L
			37°C	2.11	µkat/L
<b>GLDH</b> Glutamate dehydrogenase	DGKC 1970 37°C	1 2411	DGKC recommended formulation	25.5	U/L
			37°C	0.425	µkat/L
<b>GLUC</b> Glucose	GOD-PAP (10 min.)	1 2500	ID-MS	193	mg/dL
	GOD-PAP (5 min.)	1 2550		10.7	mmol/L
	HK/G6P-DH	1 2511		1.93	g/L
	Gluc-DH	1 2531			
<b>HBDH</b> α-Hydroxybutyrate dehydro.	DGKC 37°C	1 3201	DGKC recommended formulation	264	U/L
			37°C	4.41	µkat/L
<b>LACT</b> Lactate	LDH UV	1 4001	Primary reference material	27.9	mg/dL
				3.10	mmol/L
				279	mg/L
<b>LDH</b> Lactate dehydrogenase	IFCC, DGKC 1994	1 4211	Original IFCC formulation	265	U/L
			37°C	4.42	µkat/L
	DGKC 1970	1 4201	DGKC recommended formulation	438	U/L
			37°C	7.29	µkat/L
<b>LPS</b> Lipase	Colorimetric	1 4321	Molar absorbance coefficient	98.1	U/L
				1.64	µkat/L
<b>MG</b> Magnesium	Xylydyl blue	1 4610	AAS	1.19	mmol/L
				2.38	mval/L
				2.89	mg/dL
<b>PO3</b> Phosphorus	Molybdate UV	1 5211	Internal Standard	5.63	mg/dL
				1.82	mmol/L
				56.3	mg/L

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<b>TP</b> Total Protein	Biuret, with sample blank	1 2311	Modified Biuret method	5.63	g/dL
				56.3	g/L
	Biuret, without sample blank	1 2311	Modified Biuret method	6.16	g/dL
				61.6	g/L
<b>TRIG</b> Triglycerides	GPO-PAP	1 5760	GC-IDMS	143	mg/dL
		1 5710		1.61	mmol/L
				1.43	g/L
<b>UIBC</b> Unsat. Iron Binding Cap.	Ferene / Ferrozine	1 1921	Internal Standard	204	µg/dL
				36.6	µmol/L
				2.04	mg/L
	For reagent lots ≥ 29398	1 1921	Internal Standard	258	µg/dL
				46.2	µmol/L
				2.58	mg/L
<b>UREA</b> Urea	Urease UV	1 3101	SRM 909b Level 1	107	mg/dL
				17.8	mmol/L
				1.07	g/L
	Colorimetric, Berthelot	1 3115	SRM 909b Level 1	108	mg/dL
				18.0	mmol/L
				1.08	g/L
<b>UA</b> Uric Acid	Uricase - TOOS	1 3001	GC ID-MS	5.11	mg/dL
				304	µmol/L
				51.1	mg/L
	Uricase - TBHBA	1 3021	GC ID-MS	5.15	mg/dL
				306	µmol/L
			51.5	mg/L	



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