

# TruCal U

**LOT** 31672



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

2023-04-27



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	3.54 35.4	g/dL g/L
<b>AP</b> Alkaline phosphatase	DGKC 1970 37°C	1 0401	DGKC recommended formulation 37°C	460 7.67	U/L µkat/L
	IFCC 37°C	1 0441	IFCC recommended formulation 37°C	231 3.85	U/L µkat/L
<b>ALT/GPT</b> Alanine aminotransferase	IFCC	1 2701 +	Original IFCC formulation	93.1	U/L
	with pyridoxal phosphate 37°C	2 5010	37°C	1.55	µkat/L
	w/o pyridoxal phosphate 37°C	1 2701	Modified IFCC formulation ε NADH, 37°C	95.2 1.59	U/L µkat/L
<b>AST/GOT</b> Aspartate aminotransferase	IFCC	1 2601 +	Original IFCC formulation	103	U/L
	with pyridoxal phosphate 37°C	2 5010	37°C	1.71	µkat/L
	w/o pyridoxal phosphate 37°C	1 2601	Modified IFCC formulation ε NADH, 37°C	104 1.74	U/L µkat/L
<b>AMY</b> Amylase	EPS G-7	1 0501	Original IFCC formulation 37°C	175 2.92	U/L µkat/L
			Modified IFCC formulation ε p-Nitrophenol, 37°C	162 2.70	U/L µkat/L
<b>PAMY</b> Pancreatic amylase	EPS G-7	1 0551	Modified IFCC formulation ε p-Nitrophenol, 37°C	2.70	µkat/L
<b>DBIL</b> Direct Bilirubin	DCA	1 0821	Jendrassik-Grof	2.34 40.0	mg/dL µmol/L
				23.4 mg/L	
<b>TBIL</b> Total Bilirubin	DCA	1 0811	SRM 916a	3.93 67.2	mg/dL µmol/L
				39.3 mg/L	
<b>BUN</b> Urea N	Urease UV	1 3101	SRM 909b Level 1	49.5 17.7	mg/dL mmol/L
				0.495 g/L	
	Colorimetric, Berthelot	1 3115	SRM 909b Level 1	50.9 18.2 0.509	mg/dL mmol/L g/L
<b>CA</b> Calcium	Arsenazo	1 1130	AAS	2.53 5.07	mmol/L mval/L
				10.2 mg/dL	
	Phosphonazo	1 1181	AAS	2.75 5.50 11.0	mmol/L mval/L mg/dL
<b>CHOL</b> Cholesterol	CHOD-PAP	1 1300	GC-IDMS	162	mg/dL
		1 1350		4.18	mmol/L
				1.62	g/L
<b>CHE</b> Cholinesterase	Butyrylthiocholin	1 1401	DGKC recommended formulation 37°C	4527 75.5	U/L µkat/L
<b>CK</b> Creatine kinase	DGKC opt. IFCC 37°C	1 1601	Original IFCC formulation 37°C	353 5.88	U/L µkat/L
<b>CREA</b> Creatinine	Enzymatic PAP	1 1759	GC-IDMS	3.79 335	mg/dL µmol/L
				37.9 mg/L	
	Jaffé, w/o compensation	1 1711	GC-IDMS	3.76 333	mg/dL µmol/L
				37.6 mg/L	
				4.19 370	mg/dL µmol/L
Jaffé, with compensation	1 1711	GC-IDMS	41.9 370	mg/L µmol/L	
<b>FE</b> Iron	Ferene	1 1911	SRM 682	190 34.1	µg/dL µmol/L
				1.90 mg/L	
				199 35.6	µg/dL µmol/L
				1.99 mg/L	

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<b>GGT</b> γ-Glutamyltransferase	Szasz liquid stand. Szasz	1 2801	Original formulation	93.4	U/L
			Persijn/v.d. Slik 1976, 37°C	1.56	μkat/L
	Szasz liquid stand. IFCC	1 2801	Original IFCC formulation	106	U/L
			37°C	1.76	μkat/L
<b>GLDH</b> Glutamate dehydrogenase	DGKC 1970 37°C	1 2411	DGKC recommended formulation	24.7	U/L
			37°C	0.412	μkat/L
<b>GLUC</b> Glucose	GOD-PAP (10 min.)	1 2500	ID-MS	190	mg/dL
	GOD-PAP (5 min.)	1 2550		10.5	mmol/L
	HK/G6P-DH	1 2511		1.90	g/L
	Gluc-DH	1 2531			
<b>HBDH</b> α-Hydroxybutyrate dehydro.	DGKC 37°C	1 3201	DGKC recommended formulation	280	U/L
			37°C	4.66	μkat/L
<b>LACT</b> Lactate	LDH UV	1 4001	Primary reference material	27.7	mg/dL
				3.07	mmol/L
				277	mg/L
<b>LDH</b> Lactate dehydrogenase	IFCC, DGKC 1994	1 4211	Original IFCC formulation	267	U/L
			37°C	4.45	μkat/L
	DGKC 1970	1 4201	DGKC recommended formulation	455	U/L
			37°C	7.58	μkat/L
	IFCC, modified	1 4251	Original IFCC formulation	264	U/L
			37°C	4.41	μkat/L
<b>LPS</b> Lipase	Colorimetric	1 4321	Molar absorbance coefficient	102	U/L
				1.70	μkat/L
<b>MG</b> Magnesium	Xylidyl blue	1 4610	AAS	1.13	mmol/L
				2.26	mval/L
				2.75	mg/dL
<b>PO3</b> Phosphorus	Molybdate UV	1 5211	Internal Standard	5.55	mg/dL
				1.79	mmol/L
				55.5	mg/L
<b>TP</b> Total Protein	Biuret, with sample blank	1 2311	Modified Biuret method	5.16	g/dL
				51.6	g/L
	Biuret, without sample blank	1 2311	Modified Biuret method	5.68	g/dL
			56.8	g/L	
<b>TRIG</b> Triglycerides	GPO-PAP	1 5760	GC-IDMS	136	mg/dL
		1 5710		1.53	mmol/L
				1.36	g/L
<b>UIBC</b> Unsat. Iron Binding Cap.	Ferene / Ferrozine	1 1921	Internal Standard	236	μg/dL
				42.2	μmol/L
				2.36	mg/L
<b>UREA</b> Urea	Urease UV	1 3101	SRM 909b Level 1	106	mg/dL
				17.7	mmol/L
				1.06	g/L
	Colorimetric, Berthelot	1 3115	SRM 909b Level 1	109	mg/dL
				18.2	mmol/L
			1.09	g/L	
<b>UA</b> Uric Acid	Uricase - TOOS	1 3001	GC ID-MS	5.01	mg/dL
				298	μmol/L
				50.1	mg/L
	Uricase - TBHBA	1 3021	GC ID-MS	5.04	mg/dL
				300	μmol/L
			50.4	mg/L	



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