

TruCal U

LOT 32251



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

2022-12-31



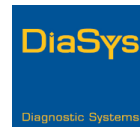
Updated sheets: www.diasys-diagnostics.com/service-area/value-sheets/

Value sheet version: 1

Short Name / Analyte	Method	Reagent ID	Traceability	Value	Unit
ALB Albumin	Bromcresol green	1 0220	ERM-DA 470	3.48	g/dL
				34.8	g/L
AP Alkaline phosphatase	DGKC 1970 37°C	1 0401	DGKC recommended formulation 37°C	516	U/L
	IFCC 37°C	1 0441	IFCC recommended formulation 37°C	8.60	µkat/L
				260	U/L
				4.33	µkat/L
ALT/GPT Alanine aminotransferase	IFCC	1 2701 +	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 2701	Modified IFCC formulation ε NADH, 37°C	106	U/L
				1.76	µkat/L
AST/GOT Aspartate aminotransferase	IFCC	1 2601 +	Original IFCC formulation	106	U/L
	with pyridoxal phosphate 37°C	2 5010	37°C	1.77	µkat/L
	w/o pyridoxal phosphate 37°C	1 2601	Modified IFCC formulation ε NADH, 37°C	108	U/L
				1.80	µkat/L
AMY Amylase	EPS G-7	1 0501	Original IFCC formulation 37°C	177	U/L
				2.95	µkat/L
PAMY Pancreatic amylase	EPS G-7	1 0551	Modified IFCC formulation ε p-Nitrophenol, 37°C	165	U/L
				2.75	µkat/L
DBIL Direct Bilirubin	DCA	1 0821	Jendrassik-Grof	2.33	mg/dL
				39.9	µmol/L
				23.3	mg/L
TBIL Total Bilirubin	DCA	1 0811	SRM 916a	4.06	mg/dL
				69.5	µmol/L
				40.6	mg/L
BUN Urea N	Urease UV	1 3101	SRM 909b Level 1	48.9	mg/dL
				17.4	mmol/L
				0.489	g/L
	Colorimetric, Berthelot	1 3115	SRM 909b Level 1	51.0	mg/dL
				18.2	mmol/L
				0.510	g/L
CA Calcium	Arsenazo	1 1130	AAS	2.53	mmol/L
				5.05	mval/L
				10.1	mg/dL
	Phosphonazo	1 1181	AAS	2.78	mmol/L
				5.57	mval/L
				11.2	mg/dL
CHOL Cholesterol	CHOD-PAP	1 1300	GC-IDMS	155	mg/dL
		1 1350		4.00	mmol/L
				1.55	g/L
CHE Cholinesterase	Butyrylthiocholin	1 1401	DGKC recommended formulation 37°C	4374	U/L
				72.9	µkat/L
CK Creatine kinase	DGKC opt.	1 1601	Original IFCC formulation	362	U/L
	IFCC 37°C		37°C	6.03	µkat/L

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CREA Creatinine	Enzymatic PAP	1 1759	GC-IDMS	3.86	mg/dL	
				341	µmol/L	
	Jaffé, w/o compensation	1 1711	GC-IDMS	38.6	mg/L	
				3.85	mg/dL	
	Jaffé, with compensation	1 1711	GC-IDMS	341	µmol/L	
				38.5	mg/L	
FE Iron	Ferene	1 1911	SRM 682	4.29	mg/dL	
				379	µmol/L	
				42.9	mg/L	
	Ferene respons*920	1 1911	SRM 682	187	µg/dL	
				33.5	µmol/L	
				1.87	mg/L	
GGT γ-Glutamyltransferase	Szasz liquid stand. Szasz	1 2801	Original formulation Persijn/v.d. Slik 1976, 37°C	196	µg/dL	
				35.1	µmol/L	
	Szasz liquid stand. IFCC	1 2801	Original IFCC formulation 37°C	1.96	mg/L	
				117	U/L	
	GLDH Glutamate dehydrogenase	DGKC 1970 37°C	1 2411	DGKC recommended formulation 37°C	1.95	µkat/L
					132	U/L
GLUC Glucose	GOD-PAP (10 min.) GOD-PAP (5 min.) HK/G6P-DH Gluc-DH	1 2500 1 2550 1 2511 1 2531	ID-MS	2.21	µkat/L	
				24.8	U/L	
				0.414	µkat/L	
				188	mg/dL	
				10.4	mmol/L	
HBDH α-Hydroxybutyrate dehydro.	DGKC 37°C	1 3201	DGKC recommended formulation 37°C	1.88	g/L	
				276	U/L	
				4.61	µkat/L	
				27.7	mg/dL	
				3.08	mmol/L	
LACT Lactate	LDH UV	1 4001	Primary reference material	277	mg/L	
				274	U/L	
				4.56	µkat/L	
				452	U/L	
				7.53	µkat/L	
				273	U/L	
LDH Lactate dehydrogenase	IFCC, DGKC 1994	1 4211	Original IFCC formulation 37°C	4.56	µkat/L	
				456	µkat/L	
	DGKC 1970	1 4201	DGKC recommended formulation 37°C	277	mg/L	
				274	U/L	
	IFCC, modified	1 4251	Original IFCC formulation 37°C	4.56	µkat/L	
				456	µkat/L	
LPS Lipase	Colorimetric	1 4321	Molar absorbance coefficient	130	U/L	
				2.17	µkat/L	
MG Magnesium	Xylidyl blue	1 4610	AAS	1.16	mmol/L	
				2.31	mval/L	
				2.81	mg/dL	
				5.62	mg/dL	
PO3 Phosphorus	Molybdate UV	1 5211	Internal Standard	1.81	mmol/L	
				56.2	mg/L	
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TP Total Protein	Biuret, with sample blank	1 2311	Modified Biuret method	5.05	g/dL
				50.5	g/L
	Biuret, without sample blank	1 2311	Modified Biuret method	5.53	g/dL
				55.3	g/L
TRIG Triglycerides	GPO-PAP	1 5760	GC-IDMS	136	mg/dL
		1 5710		1.54	mmol/L
				1.36	g/L
UIBC Unsat. Iron Binding Cap.	Ferene / Ferrozine	1 1921	Internal Standard	242	µg/dL
				43.3	µmol/L
				2.42	mg/L
UREA Urea	Urease UV	1 3101	SRM 909b Level 1	105	mg/dL
				17.4	mmol/L
				1.05	g/L
	Colorimetric, Berthelot	1 3115	SRM 909b Level 1	109	mg/dL
				18.2	mmol/L
			1.09	g/L	
UA Uric Acid	Uricase - TOOS	1 3001	GC ID-MS	5.10	mg/dL
				303	µmol/L
				51.0	mg/L
	Uricase - TBHBA	1 3021	GC ID-MS	5.15	mg/dL
			306	µmol/L	
			51.5	mg/L	



DiaSys Diagnostic Systems GmbH
Alte Strasse 9 65558 Holzheim Germany
www.diasys-diagnostics.com