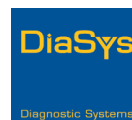


TruCal U

LOT 32773



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

2023-10-31



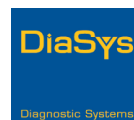
Updated sheets: www.diasys-diagnostics.com/service-area/value-sheets/

Value sheet version: 1

Short Name / Analyte	Method	Reagent ID	Traceability	Value	Unit
ALB Albumin	Bromcresol green	1 0220	ERM-DA 470	3.54 35.4	g/dL g/L
AP 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
ALT/GPT 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
AST/GOT 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
AMY Amylase	EPS G-7	1 0501	Original IFCC formulation 37°C	175 2.92	U/L µkat/L
		1 0551	Modified IFCC formulation ε p-Nitrophenol, 37°C	162 2.70	U/L µkat/L
PAMY Pancreatic amylase	EPS G-7	1 0551	Modified IFCC formulation ε p-Nitrophenol, 37°C	2.70	µkat/L
DBIL Direct Bilirubin	DCA	1 0821	Jendrassik-Grof	2.34	mg/dL
				40.0 23.4	µmol/L mg/L
TBIL Total Bilirubin	DCA	1 0811	SRM 916a	3.93	mg/dL
				67.2	µmol/L
				39.3	mg/L
BUN Urea N	Urease UV	1 3101	SRM 909b Level 1	49.5	mg/dL
				17.7 0.495	mmol/L g/L
	Colorimetric, Berthelot	1 3115	SRM 909b Level 1	50.9 18.2 0.509	mg/dL mmol/L g/L
CA Calcium	Arsenazo	1 1130	AAS	2.53	mmol/L
				5.07 10.2	mval/L mg/dL
	Phosphonazo	1 1181	AAS	2.75	mmol/L
				5.50 11.0	mval/L mg/dL
CHOL Cholesterol	CHOD-PAP	1 1300	GC-IDMS	162	mg/dL
		1 1350		4.18	mmol/L
				1.62	g/L
CHE Cholinesterase	Butyrylthiocholin	1 1401	DGKC recommended formulation 37°C	4527 75.5	U/L µkat/L
CK Creatine kinase	DGKC opt. IFCC 37°C	1 1601	Original IFCC formulation 37°C	353 5.88	U/L µkat/L
CREA Creatinine	Enzymatic PAP	1 1759	GC-IDMS	3.79	mg/dL
				335 37.9	µmol/L mg/L
	Jaffé, w/o compensation	1 1711	GC-IDMS	3.76	mg/dL
				333 37.6	µmol/L mg/L
	Jaffé, with compensation	1 1711	GC-IDMS	4.19	mg/dL
				370 41.9	µmol/L mg/L
FE Iron	Ferene	1 1911	SRM 682	190	µg/dL
				34.1	µmol/L
				1.90	mg/L
				199 35.6 1.99	µg/dL µmol/L mg/L

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Short Name / Analyte	Method	Reagent ID	Traceability	Value	Unit
GGT 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
GLDH Glutamate dehydrogenase	DGKC 1970 37°C	1 2411	DGKC recommended formulation	24.7	U/L
			37°C	0.412	μkat/L
GLUC 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			
HBDH α-Hydroxybutyrate dehydro.	DGKC 37°C	1 3201	DGKC recommended formulation	280	U/L
			37°C	4.66	μkat/L
LACT Lactate	LDH UV	1 4001	Primary reference material	27.7	mg/dL
				3.07	mmol/L
				277	mg/L
LDH 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
LPS Lipase	Colorimetric	1 4321	Molar absorbance coefficient	102	U/L
				1.70	μkat/L
MG Magnesium	Xylidyl blue	1 4610	AAS	1.13	mmol/L
				2.26	mval/L
				2.75	mg/dL
PO3 Phosphorus	Molybdate UV	1 5211	Internal Standard	5.55	mg/dL
				1.79	mmol/L
				55.5	mg/L
TP 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	
TRIG Triglycerides	GPO-PAP	1 5760	GC-IDMS	136	mg/dL
		1 5710		1.53	mmol/L
				1.36	g/L
UIBC Unsat. Iron Binding Cap.	Ferene / Ferrozine	1 1921	Internal Standard	236	μg/dL
				42.2	μmol/L
				2.36	mg/L
UREA 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	
UA 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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