


FOR ENVOY ANALYSERS							
CODE	REAGENT NAME	METHOD	TRACEABILITY	UNITS	TARGET	RANGE	
ALBU-0850	ALBUMIN ENVOY	Bromocresol green	ERM-DA 470k / IFCC	g/dL	3.13	2.57	3.69
				g/L	31.3	25.7	36.9
PIVD-0850	ALP ENVOY	IFCC (AMP Buffer)	IFCC formulation (Schumann,2011), manual measurement	IU/L 37°C	98	80	116
ALSL-0850	ALT ENVOY	IFCC without pyridoxal-phosphate	IFCC formulation (Schumann,2002), manual measurement	IU/L 37°C	48.1	39.4	56.8
AMSL-0850	AMYLASE ENVOY	CNP-G3 Substrate	IFCC formulation (Schumann,2006), manual measurement	IU/L 37°C	77	63	91
ASVD-0850	AST ENVOY	IFCC without pyridoxal-phosphate	IFCC formulation (Schumann,2002), manual measurement	IU/L 37°C	na	na	na
BITV-0850	TOTAL BILIRUBIN ENVOY	Diazo (blanked)	NIST SRM 916a	mg/dL	2.65	2.17	3.13
				µmol/L	45.4	37.2	53.6
BIDV-0850	DIRECT BILIRUBIN ENVOY	Diazo (blanked)	Jendrassik-Grof Manual method	mg/dL	2.16	1.64	2.68
				µmol/L	37.0	28.1	45.9
CALA-0850	CALCIUM ENVOY	Arsenazo	NIST SRM 956c	mg/dL	9.08	7.99	10.17
				mmol/L	2.27	2.00	2.54
3918-006	CHLORIDE ENVOY	I.S.E Indirect Potentiometry	NIST SRM 956d	mEq/L	97.7	87.9	107.5
				mmol/L	97.7	87.9	107.5
CHSL-0850	CHOLESTEROL ENVOY	Enzymatic colorimetric (CHOD-PAP)	☞ ID-GC-MS	mg/dL	118	100	136
				mmol/L	3.05	2.59	3.51
HDLL-0850	HDL CHOLESTEROL ENVOY	Colorimetric, end point	CDC	mg/dL	38	32	44
				mmol/L	1.00	0.85	1.15
LDLL-0850	LDL CHOLESTEROL ENVOY	Colorimetric, end point	CDC	mg/dL	55	47	63
				mmol/L	1.42	1.21	1.63
CKSL-0850	CK ENVOY	IFCC	IFCC formulation (Schumann,2002), manual measurement	IU/L 37°C	133	109	157
CRSL-0850	CREATININE ENVOY	Enzymatic colorimetric (PAP)	ID-MS	mg/dL	1.03	0.84	1.22
				µmol/L	91	75	107
GISL-0850	GGT ENVOY	IFCC	IFCC formulation (Schumann,2002), manual measurement	IU/L 37°C	50.0	41.0	59.0
GPSL-0850	GLUCOSE ENVOY	Enzymatic colorimetric (GOD-PAP)	ID-MS	mg/dL	99.7	84.7	114.7
				mmol/L	5.53	4.70	6.36
FEFE-0850	IRON ENVOY	Ferene	NIST SRM 937	µg/dL	100	82	118
				µmol/L	17.9	14.7	21.1
LPSL-0850	LIPASE ENVOY	Enzymatic Colorimetric	manual measurement	IU/L 37°C	46	32	60
LLSL-0850	LDH ENVOY	IFCC (L → P)	IFCC formulation (Schumann,2002), manual measurement	IU/L 37°C	170	139	201
MAGX-0850	MAGNESIUM ENVOY	Xylidyl Blue	Atomic absorption	mg/dL	2.11	1.86	2.36
				mmol/L	0.87	0.77	0.97
PHOS-0850	PHOSPHORUS ENVOY	Phosphomolybdate UV	Primary reference material (NERL/weighed in purified material)	mg/dL	4.03	3.43	4.63
				mmol/L	1.30	1.10	1.50
3918-005	POTASSIUM ENVOY	I.S.E Indirect Potentiometry	NIST SRM 956d	mEq/L	3.75	3.37	4.13
				mmol/L	3.75	3.37	4.13
3918-004	SODIUM ENVOY	I.S.E Indirect Potentiometry	NIST SRM 956d	mEq/L	141.8	127.6	156.0
				mmol/L	141.8	127.6	156.0
PROB-0850	TOTAL PROTEIN ENVOY	Biuret	NIST SRM 909c	g/dL	4.83	4.25	5.41
				g/L	48.3	42.5	54.1
TGML-0850	TRIGLYCERIDES ENVOY	Enzymatic colorimetric (GOD-PAP)	☞ ID-GC-MS	mg/dL	105	88	122
				mmol/L	1.18	0.99	1.37
URSL-0850	UREA ENVOY	Enzymatic UV Urease/GLDH	ID-MS	mg/dL	40.3	34.3	46.3
				mmol/L	6.71	5.70	7.72
AUVD-0850	URIC ACID ENVOY	Uricase	NIST SRM 913a	mg/dL	5.47	4.65	6.29
				µmol/L	326	277	375

The values are defined with ELITech reagents

 : Modification from previous version

 SRM: Standard Reference Material  
 ERM: European Reference Material  
 ID-MS: Isotope Dilution – Mass Spectrometry

 ☞ ID-GC-MS: Isotope Dilution – Gas Chromatography –Mass Spectrometry  
 IFCC: International Federation of Clinical Chemistry and Laboratory Medicine  
 CDC: Centers for Disease Control and Prevention