

FOR ENVOY ANALYSERS							
CODE	REAGENT NAME	METHOD	TRACEABILITY	UNITS	TARGET	RANGE	
ALBU-0850	ALBUMIN ENVOY	<i>Bromocresol green</i>	ERM-DA 470k / IFCC	g/dL	4.95	4.06	5.84
				g/L	49.5	40.6	58.4
PIVD-0850	ALP ENVOY	<i>IFCC (AMP Buffer)</i>	<i>IFCC formulation (Schumann,2011), manual measurement</i>	IU/L 37°C	251	206	296
ALSL-0850	ALT ENVOY	<i>IFCC without pyridoxal-phosphate</i>	<i>IFCC formulation (Schumann,2002), manual measurement</i>	IU/L 37°C	137.6	112.8	162.4
AMSL-0850	AMYLASE ENVOY	<i>CNP-G3 Substrate</i>	<i>IFCC formulation (Schumann,2006), manual measurement</i>	IU/L 37°C	276	226	326
ASVD-0850	AST ENVOY	<i>IFCC without pyridoxal-phosphate</i>	<i>IFCC formulation (Schumann,2002), manual measurement</i>	IU/L 37°C	na	na	na
BITV-0850	TOTAL BILIRUBIN ENVOY	<i>Diazo (blanked)</i>	NIST SRM 916a	mg/dL	7.08	5.81	8.35
				μmol/L	121.0	99.2	142.8
BIDV-0850	DIRECT BILIRUBIN ENVOY	<i>Diazo (blanked)</i>	<i>Jendrassik-Grof Manual method</i>	mg/dL	5.08	3.86	6.30
				μmol/L	86.9	66.0	107.8
CALA-0850	CALCIUM ENVOY	<i>Arsenazo</i>	NIST SRM 956c	mg/dL	12.61	11.10	14.12
				mmol/L	3.15	2.77	3.53
3918-006	CHLORIDE ENVOY	<i>I.S.E Indirect Potentiometry</i>	NIST SRM 956d	mEq/L	110.3	99.3	121.3
CHSL-0850	CHOLESTEROL ENVOY	<i>Enzymatic colorimetric (CHOD-PAP)</i>	☞ ID-GC-MS	mg/dL	171	145	197
				mmol/L	4.42	3.76	5.08
HDLL-0850	HDL CHOLESTEROL ENVOY	<i>Colorimetric, end point</i>	CDC	mg/dL	58	49	67
				mmol/L	1.50	1.27	1.73
LDLL-0850	LDL CHOLESTEROL ENVOY	<i>Colorimetric, end point</i>	CDC	mg/dL	87	74	100
				mmol/L	2.26	1.92	2.60
CKSL-0850	CK ENVOY	<i>IFCC</i>	<i>IFCC formulation (Schumann,2002), manual measurement</i>	IU/L 37°C	338	277	399
CRSL-0850	CREATININE ENVOY	<i>Enzymatic colorimetric (PAP)</i>	ID-MS	mg/dL	3.71	3.04	4.38
				μmol/L	328	269	387
GISL-0850	GGT ENVOY	<i>IFCC</i>	<i>IFCC formulation (Schumann,2002), manual measurement</i>	IU/L 37°C	236.3	193.8	278.8
GPSL-0850	GLUCOSE ENVOY	<i>Enzymatic colorimetric (GOD-PAP)</i>	ID-MS	mg/dL	229.9	195.4	264.4
				mmol/L	12.76	10.85	14.67
FEFE-0850	IRON ENVOY	<i>Ferene</i>	NIST SRM 937	μg/dL	266	218	314
				μmol/L	47.6	39.0	56.2
LPSL-0850	LIPASE ENVOY	<i>Enzymatic Colorimetric</i>	<i>manual measurement</i>	IU/L 37°C	100	70	130
LLSL-0850	LDH ENVOY	<i>IFCC (L → P)</i>	<i>IFCC formulation (Schumann,2002), manual measurement</i>	IU/L 37°C	359	294	424
MAGX-0850	MAGNESIUM ENVOY	<i>Xylidyl Blue</i>	Atomic absorption	mg/dL	3.46	3.04	3.88
				mmol/L	1.42	1.25	1.59
PHOS-0850	PHOSPHORUS ENVOY	<i>Phosphomolybdate UV</i>	<i>Primary reference material (NERL/weighed in purified material)</i>	mg/dL	7.43	6.32	8.54
				mmol/L	2.40	2.04	2.76
3918-005	POTASSIUM ENVOY	<i>I.S.E Indirect Potentiometry</i>	NIST SRM 956d	mEq/L	6.62	5.96	7.28
				mmol/L	6.62	5.96	7.28
3918-004	SODIUM ENVOY	<i>I.S.E Indirect Potentiometry</i>	NIST SRM 956d	mEq/L	162.0	145.8	178.2
				mmol/L	162.0	145.8	178.2
PROB-0850	TOTAL PROTEIN ENVOY	<i>Biuret</i>	NIST SRM 909c	g/dL	7.45	6.56	8.34
				g/L	74.5	65.6	83.4
TGML-0850	TRIGLYCERIDES ENVOY	<i>Enzymatic colorimetric (GOD-PAP)</i>	☞ ID-GC-MS	mg/dL	194	163	225
				mmol/L	2.19	1.84	2.54
URSL-0850	UREA ENVOY	<i>Enzymatic UV Urease/GLDH</i>	ID-MS	mg/dL	117.9	100.2	135.6
				mmol/L	19.63	16.69	22.57
AUVD-0850	URIC ACID ENVOY	<i>Uricase</i>	NIST SRM 913a	mg/dL	11.04	9.38	12.70
				μmol/L	657	559	755

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