



Standatrol S-E

2 niveles

Lyophilized serum for precision control in clinical chemistry

Lot: 1702210520
Level 1: 201920
Level 2: 201930

USES

Standatrol S-E 2 niveles is adaptable to different uses:

- intralaboratory precision studies in which a stable, reproducible in time control specimen is required.
- It can be used in the reproducibility daily control and in the preparation of "control charts" following usual methods;
- as "unknown sample" in interlaboratory precision surveys, based on its constant dosage and high stability.

PRINCIPLE

Standatrol S-E 2 niveles contains the compounds usually determined in clinical chemistry laboratories. It must be noted that the assigned values for the different constituents of the control sera have been obtained with Wiener lab.'s methods and reagents, thus, the obtained results will only be comparable to the list if the corresponding methods and reagents have been used.

PROVIDED REAGENTS

Control Level 1: 5 ml-vials of homogenized and lyophilized serum with normal concentrations or normal/pathological threshold of metabolites and enzymes.

Control Level 2: 5 ml-vials of homogenized and lyophilized serum with pathological concentrations or normal/pathological threshold of metabolites and enzymes.

NON-PROVIDED REAGENTS

Bidistilled or deionized water.

INSTRUCTIONS FOR USE

- Open the vial, slowly pulling out the rubber stopper to avoid any loss of the lyophilized material.
- Add exactly 5.00 ml bidistilled or deionized water (using appropriate volumetric device).
- Cap and mix by gentle inversion, avoiding the formation of foam. Do not shake.
- Let dissolve for 20 minutes at room temperature, occasionally mixing by inversion.
- Mix by inversion immediately before use.

WARNINGS

Reagents are for "in vitro" diagnostic use.

These control sera have been prepared from non-reactive material to HBsAg, HCV and HIV. However, the controls and blood samples should be handled as if it were infectious material.

Use the reagents according to the working procedures for clinical laboratories.

The reagents and samples should be discarded according to the local regulations in force.

STABILITY AND STORAGE INSTRUCTIONS

Standatrol S-E 2 niveles: is stable in refrigerator (2-10°C) until the expiration date shown on the box.

Once reconstituted the controls, most of their constituents are stable for 10 days refrigerated (2-10°C), with the exception of alkaline phosphatase whose activity may increase with time, and bilirubin that is stable for 12 hours at 4°C and protected from light. For each particular component, the stability is similar to that in the native serum and may be consulted in the corresponding package insert.

To improve its performance, it is recommended to freeze (-20°C) the reconstituted control serum, divided in fractions in airtight containers (e.g. 1.5 ml microcentrifuge tubes). They should only be thawed one time at room temperature, homogenizing the serum before use.

INSTABILITY OR DETERIORATION OF REAGENTS

Any variation of the organoleptic features of the control sera (such as unusual coloration, humid appearance of lyophilized reagent, incomplete dissolution with abundant flocculation or lump formation) may be a sign of its deterioration.

PROCEDURE

Reconstituted controls should be used in the same manner as an unknown sample, following the package insert of the reagent kit in use.

Note: the enzymes assigned values were obtained using techniques at 37°C in the different automated analyzers.

PROCEDURE LIMITATIONS

Mistakes in the reconstitution or conservation may cause erroneous results.

See PROCEDURE LIMITATIONS on the package insert of the kit in use.

WIENER LAB. PROVIDES

6 x 5 ml vials (Cat. 1937553).

REFERENCES

- International Federation of Clinical Chemistry - Clin. Chem. 23/9:1784, 1977.
- Tonks, D.B. - Can. J. Med. Tech. 30:38, 1969.

MANUAL TECHNIQUE - METABOLITES

METABOLITE	REAGENT	LEVEL 1			LEVEL 2		
		MEAN VALUE	ACCEPTABLE RANGE		MEAN VALUE	ACCEPTABLE RANGE	
Uric acid (mg/dl)	Uricostat enzimático	4.2	3.4	5.0	6.7	5.5	7.9
	Uricostat enzimático AA	5.5	4.5	6.5	9.5	7.8	11.2
	Uricostat enzimático AA líquida	5.1	4.2	6.0	9.1	7.5	10.7
Albumin (g/dl)	Proti-2 (BCF Reag.)	4.6	3.9	5.3	3.0	2.5	3.5
	Albúmina AA	4.4	3.7	5.1	3.0	2.5	3.5
Direct bilirubin (mg/l)	Bilirrubina	2.3	1.6	3.0	8.7	6.1	11.3
	Bilirrubina Directa AA	2.9	2.0	3.8	9.8	6.9	12.7
	Bilirrubina Directa AA líquida	3.0	1.8	4.2	10	6	14
Total bilirubin (mg/l)	Bilirrubina	7.7	5.8	9.6	48	38	58
	Bilirrubina Total AA	9.3	7.4	11.2	40	32	48
	Bilirrubina Total AA líquida	8.1	4.9	11.3	41	25	57
Calcium (mg/dl)	Ca-Color	8.6	7.4	9.8	11	9	13
	Ca-Color AA	8.4	7.2	9.6	11	9	13
	Ca-Color Arsenazo III AA	9.2	7.9	10.5	11	9	13
Cholesterol (g/l)	Colestat enzimático	2.35	2.00	2.70	0.92	0.78	1.06
	Colestat enzimático AA	2.44	2.07	2.81	1.00	0.85	1.15
	Colestat enzimático líquida	2.49	2.12	2.86	1.02	0.87	1.17
Creatinine (mg/l)	Creatinina cinética AA líquida	14	11	18	58	46	70
	Creatinina directa	10	8	13	40	32	48
	Kinetic technique	-	-	-	-	-	-
	Endpoint technique	25	19	31	73	58	88
	Creatinina	26	20	33	71	57	85
Inorganicphosphorus (mg/dl)	Fosfatemia	3.2	2.6	3.8	7.4	6.3	8.5
	Fosfatemia UV AA	4.6	3.8	5.4	7.7	6.5	8.9
Glucose (mg/dl)	Glicemia enzimática	88	75	101	291	247	335
	Glicemia enzimática AA	87	74	100	284	241	327
	Glicemia enzimática AA líquida	88	75	101	269	229	309
Iron (ug/dl)	Fer-color	212	161	263	58	41	75
	Fer-color AA	219	166	272	51	36	66
	Fer-color AA líquida	228	173	283	56	39	73
Magnesium (mg/dl)	Mg-color AA	2.0	1.4	2.6	4.1	3.1	5.1
Total proteins (g/dl)	Proti-2 (EDTA/Cu Reag.)	6.3	5.5	7.1	4.3	3.8	4.8
	Proteínas Totales AA	6.6	5.8	7.4	4.4	3.9	4.9
Triglycerides (g/l)	TG Color GPO/PAP AA	1.78	1.51	2.05	0.94	0.80	1.08
	TG Color GPO/PAP AA líquida	1.74	1.48	2.00	0.98	0.83	1.13
UIBC (ug/dl)	UIBC/TIBC AA líquida	-	-	-	184	138	230

(-) Non-assigned

MANUAL TECHNIQUE - METABOLITES

METABOLITE	REAGENT	LEVEL 1			LEVEL 2		
		MEAN VALUE	ACCEPTABLE RANGE		MEAN VALUE	ACCEPTABLE RANGE	
Urea (g/l)	Urea color 2R	0.42	0.29	0.55	1.04	0.79	1.29
	Uremia	0.30	0.21	0.39	1.00	0.76	1.24
	Urea UV cinética AA	0.34	0.24	0.44	1.00	0.76	1.24
	Urea UV cinética AA líquida	0.37	0.26	0.48	1.14	0.87	1.41

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MANUAL TECHNIQUE - ENZYMES

ENZYME	REAGENT	LEVEL 1			LEVEL 2		
		MEAN VALUE	ACCEPTABLE RANGE		MEAN VALUE	ACCEPTABLE RANGE	
Alanine aminotransferase (GPT/ALT) (U/l)	GPT (ALT) UV unitest	30	24	36	96	77	115
	GPT (ALT) UV AA	42	34	50	104	83	125
	GPT (ALT) UV AA líquida	44	33	55	108	81	135
Amylase (U/l)	Amilasa 405 cinética	90	68	113	519	389	649
	Amilasa 405 AA líquida	93	70	116	547	410	684
Aspartate aminotransferase (GOT/AST) (U/l)	GOT (AST) UV unitest	39	31	47	199	159	239
	GOT (AST) UV AA	45	36	54	202	162	242
	GOT (AST) UV AA líquida	66	50	83	200	150	250
Cholinesterase (U/l)	Colinesterasa (30°C)	2107	1686	2528	3981	3185	4777
	Colinesterasa AA (30°C)	1957	1468	2446	3890	2918	4863
Creatine Kinase (U/l)	CK NAV UV unitest	126	101	151	407	326	488
	CK NAC UV AA	112	90	134	386	309	463
	CK NAC UV AA líquida	121	91	151	413	310	516
Alkaline phosphatase (U/l)	ALP 405 cinética optimizada	153	115	191	524	393	655
	ALP 405 AA líquida	182	127	237	610	458	763
	Fosfatasas Alcalina optim.	192	154	230	603	482	724
γ-Glutamyl transferase (U/l)	γ-G-test cinética AA	26	20	33	119	95	143
	γ-G-test cinética AA líquida	27	20	34	123	98	148
Lactate dehydrogenase (U/l)	LDH-P UV unitest	356	285	427	826	661	991
	LDH-P UV AA	447	358	536	939	751	1127
	LDH-P UV AA líquida	415	311	519	889	667	1111

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TARGA BT 3000 - METABOLITES

METABOLITE	REAGENT	LEVEL 1				LEVEL 2			
		MEAN VALUE	1 D.S.	ACCEPTABLE RANGE		MEAN VALUE	1 D.S.	ACCEPTABLE RANGE	
Uric acid (mg/dl)	Uricostat enzimático AA	5.28	0.48	4.33	6.23	9.75	0.88	7.99	11.51
	Uricostat enz. AA líquida	5.26	0.48	4.31	6.21	9.56	0.86	7.84	11.28
Albumin (g/dl)	Albúmina AA	3.78	0.29	3.21	4.35	2.96	0.27	2.43	3.49
Direct bilirubin (mg/dl)	Bilirrubina	0.34	0.05	0.25	0.43	1.11	0.11	0.89	1.33
	Bilirrubina Directa AA	0.37	0.08	0.22	0.52	1.10	0.22	0.66	1.54
	Bilirrubina Directa AA líquida	0.36	0.07	0.22	0.50	1.13	0.23	0.68	1.58
Total bilirubin (mg/dl)	Bilirrubina	0.98	0.13	0.73	1.23	4.56	0.46	3.65	5.47
	Bilirrubina Total AA	0.85	0.17	0.51	1.19	3.90	0.78	2.34	5.46
	Bilirrubina Total AA líquida	0.84	0.17	0.50	1.18	4.27	0.86	2.56	5.98
Calcium (mg/dl)	Ca-Color AA	8.90	0.63	7.65	10.15	13.0	0.9	11.2	14.8
	Ca-Color Arsenazo III AA	9.89	0.69	8.51	11.27	12.3	0.9	10.6	14.0
Chloride (mEq/l)	Ion-selective electrode	103	5	93	113	85.9	4.3	77.3	94.5
Cholesterol (mg/dl)	Colestat enzimático AA	251	19	213	289	101	8	86	116
	Colestat enz. AA líquida	253	19	215	291	102	8	87	117
Creatinine (mg/dl)	Creatinina cinética AA líquida	1.40	0.21	0.98	1.82	5.52	0.69	4.14	6.90
	Creatinina enzim. AA líquida	0.48	0.06	0.36	0.60	5.23	0.66	3.92	6.54
Inorganic phosphorus (mg/dl)	Fosfatemia UV AA	4.14	0.38	3.39	4.89	7.41	0.56	6.30	8.52
Glucose (mg/dl)	Glicemia enzimática AA	89.5	6.7	76.1	102.9	289	22	246	332
	Glicemia enz. AA líquida	88.5	6.7	75.2	101.8	289	22	246	332
HDL Cholesterol (mg/dl)	HDL Colesterol monofase AA plus	78.2	9.8	58.6	97.8	32.1	4.0	24.1	40.1
Iron (ug/dl)	Fer-color AA	250	30	190	310	60.7	9.1	42.5	78.9
	Fer-color AA líquida	225	27	171	279	59.1	8.9	41.4	76.8
Lactate (mg/dl)	Lactate	37.2	3.4	30.5	43.9	9.41	0.85	7.72	11.10
LDL Cholesterol (mg/dl)	LDL Colesterol monofase AA	135	17	101	169	54.4	6.8	40.8	68.0
Magnesium (mg/dl)	Mg-color AA	2.00	0.30	1.40	2.60	4.34	0.52	3.30	5.38
Potassium (mEq/l)	Ion-selective electrode	3.98	0.20	3.58	4.38	6.00	0.30	5.40	6.60
Total Proteins (g/dl)	Proteínas Totales AA	6.59	0.40	5.80	7.38	4.36	0.26	3.84	4.88
Sodium (mEq/l)	Ion-selective electrode	142	7	128	156	125	7	112	138
Triglycerides (mg/dl)	TG Color GPO/PAP AA	176	13	150	202	81.1	6.1	68.9	93.3
	TG Color GPO/PAP AA líquida	172	13	146	198	81.0	6.1	68.8	93.2

TARGA BT 3000 - METABOLITES

METABOLITE	REAGENT	LEVEL 1				LEVEL 2			
		MEAN VALUE	1 D.S.	ACCEPTABLE RANGE		MEAN VALUE	1 D.S.	ACCEPTABLE RANGE	
UIBC (ug/dl)	UIBC/TIBC AA líquida	-	-	-	-	119	15	89	149
Urea (mg/dl)	Urea UV cinética AA	33.3	5.0	23.3	43.3	102	12	78	126
	Urea UV cin.AA líquida	33.8	5.1	23.7	43.9	104	13	79	129

(-) Non-assigned

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TARGA BT 3000 - ENZYMES

ENZIMA	REAGENT	LEVEL 1				LEVEL 2			
		MEAN VALUE	1 D.S.	ACCEPTABLE RANGE		MEAN VALUE	1 D.S.	ACCEPTABLE RANGE	
Alanine aminotransferase (GPT/ALT) (U/l)	GPT (ALT) UV AA	32.4	3.3	25.9	38.9	97.3	9.8	77.8	116.8
	GPT (ALT) UV AA líquida	32.0	4.0	24.0	40.0	100	13	75	125
Amylase (U/l)	Amilasa 405 cinética AA	82.5	10.3	61.9	103.1	475	60	356	594
	Amilasa 405 AA líquida	80.8	10.1	60.6	101.0	468	59	351	585
Aspartate aminotransferase (GOT/AST) (U/l)	GOT (AST) UV AA	40.0	4.0	32.0	48.0	190	19	152	228
	GOT (AST) UV AA líquida	36.7	4.6	27.5	45.9	187	24	140	234
Cholinesterase (U/l)	Colinesterasa AA	2073	208	1658	2488	4302	430	3442	5162
	Cholinesterase	2407	241	1926	2888	4570	457	3656	5484
Creatine kinase (U/l)	CK-NAC UV AA	116	12	93	139	404	41	323	485
	CK-NAC UV AA líquida	121	15	91	151	400	50	300	500
Alkaline Phosphatase (U/l)	ALP 405 AA líquida	212	21	170	254	723	73	578	868
γ -glutamyl transferase (U/l)	γ-G-test cinética AA	30.2	3.8	22.6	37.8	136	14	109	163
	γ-G-test cinética AA líquida	29.2	3.7	21.9	36.5	136	14	109	163
Lactate deshydrogenase (U/l)	LDH-P UV AA	350	35	280	420	722	72	578	866
	LDH-P UV AA líquida	333	42	250	416	730	92	547	913
	LDH-L	166	17	133	199	358	36	286	430
Lipase (U/l)	Lipasa AA líquida	39.4	4.0	31.5	47.3	57.3	5.8	45.8	68.8

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SELECTRA 1 / 2 / E - METABOLITES

METABOLITE	REAGENT	LEVEL 1				LEVEL 2			
		MEAN VALUE	1 D.S.	ACCEPTABLE RANGE		MEAN VALUE	1 D.S.	ACCEPTABLE RANGE	
Uric acid (mg/dl)	Uricostat enzimático AA	6.48	0.59	5.31	7.65	10.0	0.90	8.2	11.8
	Uricostat enz. AA líquida	5.22	0.47	4.28	6.16	10.6	0.95	8.7	12.5
Albumin (g/dl)	Albúmina AA	4.07	0.31	3.46	4.68	3.03	0.28	2.48	3.58
Direct bilirubin (mg/dl)	Bilirrubina	0.39	0.08	0.23	0.55	1.10	0.22	0.66	1.54
	Bilirrubina Directa AA	0.50	0.12	0.27	0.73	1.50	0.30	0.90	2.10
	Bilirrubina Directa AA líquida	0.69	0.16	0.38	1.00	2.00	0.40	1.20	2.80
Total bilirubin (mg/dl)	Bilirrubina	1.09	0.22	0.65	1.53	4.68	0.94	2.81	6.55
	Bilirrubina Total AA	1.15	0.26	0.63	1.67	3.92	0.79	2.35	5.49
	Bilirrubina Total AA líquida	1.21	0.27	0.67	1.75	3.50	0.70	2.10	4.90
Calcium (mg/dl)	Ca-Color AA	9.24	0.65	7.95	10.53	12.8	0.90	11.0	14.6
	Ca-Color Arsenazo III AA	10.3	0.70	8.9	11.7	12.6	0.90	10.8	14.4
Cholesterol (mg/dl)	Colestat enzimático AA	248	19	211	285	100	7.5	85	115
	Colestat enz. AA líquida	255	19	217	293	100	7.5	85	115
Creatinine (mg/dl)	Creatinina cinética AA líquida	1.25	0.19	0.87	1.63	5.15	0.78	3.60	6.70
	Creatinina enz. AA líquida	0.47	0.06	0.35	0.59	5.42	0.68	4.06	6.78
Inorganic phosphorus (mg/dl)	Fosfatemia UV AA	4.23	0.38	3.47	4.99	8.23	0.62	7.00	9.46
Glucose (mg/dl)	Glicemia enzimática AA	90.9	6.8	77.3	104.5	285	22	242	328
	Glicemia enz. AA líquida	93.1	7.0	79.1	107.1	287	22	244	330
HDL Cholesterol (mg/dl)	HDL Colesterol monofase AA plus	74.3	9.3	55.7	92.9	35.7	4.5	26.8	44.6
Iron (ug/dl)	Fer-color AA	257	39	180	334	67.6	11.9	43.9	91.3
	Fer-color AA líquida	227	34	159	295	58.5	10.3	38.0	79.0
Lactate (mg/dl)	Lactate	37.3	3.4	30.6	44.0	8.97	0.81	7.36	10.58
LDL Cholesterol (mg/dl)	LDL Colesterol monofase AA	116	15	87	145	43.7	5.5	32.8	54.6
Magnesium (mg/dl)	Mg-color AA	2.30	0.35	1.61	2.99	4.19	0.51	3.18	5.20
Total Proteins (g/dl)	Proteínas Totales AA	6.83	0.41	6.01	7.65	4.50	0.27	3.96	5.04
Triglycerides (mg/dl)	TG Color GPO/PAP AA	170	13	144	196	81.0	6.1	68.8	93.2
	TG Color GPO/PAP AA líquida	176	13	150	202	80.2	6.0	68.2	92.2
UIBC (ug/dl)	UIBC/TIBC AA líquida	-	-	-	-	145	22	101	189
Urea (mg/dl)	Urea UV cinética AA	34.7	5.2	24.3	45.1	105	13	80	130
	Urea UV cin. AA líquida	32.8	4.9	23.0	42.6	101	12	77	125

(-) Non-assigned

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SELECTRA 1 / 2 / E - ENZYMES

ENZYME	REAGENT	LEVEL 1				LEVEL 2			
		MEAN VALUE	1 D.S.	ACCEPTABLE RANGE		MEAN VALUE	1 D.S.	ACCEPTABLE RANGE	
Alanine aminotransferase (GPT/ALT) (U/l)	GPT (ALT) UV AA	32.3	4.1	24.2	40.4	94.6	12	70.9	118.3
	GPT (ALT) UV AA líquida	28.9	3.6	21.7	36.1	91.8	11.5	68.8	114.8
Amylase (U/l)	Amilasa 405 cinética AA	81.1	10	60.8	101.4	503	63	377	629
	Amilasa 405 AA líquida	79.9	10	59.9	99.9	490	62	367	613
Aspartate aminotransferase (GOT/AST) (U/l)	GOT (AST) UV AA	39.1	4.9	29.3	48.9	185	23	139	231
	GOT (AST) UV AA líquida	37.4	4.7	28.0	46.8	185	23	139	231
Cholinesterase (U/l)	Colinesterasa AA	1856	232	1392	2320	3846	481	2884	4808
	Cholinesterase	2339	293	1754	2924	4650	582	3487	5813
Creatine kinase (U/l)	CK-NAC UV AA	143	18	107	179	489	61	367	611
	CK-NAC UV AA líquida	124	16	93	155	402	51	301	503
Non-prostatic acid phosphatase (U/l)	Fosfatasa Acida Total y Prostática cinética	4.21	0.63	2.95	5.47	4.54	0.68	3.18	5.90
Total acid phosphatase (U/l)	Fosfatasa Acida Total y Prostática cinética	8.08	1.2	5.66	10.50	39.1	5.9	27.4	50.8
Alkaline phosphatase (U/l)	ALP 405 AA líquida	178	23	133	223	572	72	429	715
γ -glutamyl transferase (U/l)	γ-G-test cinética AA	26.8	3.4	20.1	33.5	116	15	87	145
	γ-G-test cinética AA líquida	29.9	3.8	22.4	37.4	133	17	100	166
Lactate dehydrogenase (U/l)	LDH-P UV AA	340	43	255	425	805	101	604	1006
	LDH-P UV AA líquida	317	40	238	396	764	96	573	955
	LDH-L	166	21	124	208	388	49	291	485
Lipase (U/l)	Lipasa AA líquida	42.9	5.4	32.2	53.6	56.0	7.0	42.0	70.0

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KONELAB SERIES / WIENER LAB. CT SERIES - METABOLITES

METABOLITE	REAGENT	LEVEL 1				LEVEL 2			
		MEAN VALUE	1 D.S.	ACCEPTABLE RANGE		MEAN VALUE	1 D.S.	ACCEPTABLE RANGE	
Uric acid (mg/dl)	Uricostat enzimático AA Uricostat enz. AA líquida	5.08	0.46	4.17	5.99	9.58	0.86	7.86	11.30
		5.07	0.46	4.16	5.98	9.55	0.86	7.83	11.27
Albumin (g/dl)	Albúmina AA	3.93	0.30	3.34	4.52	2.89	0.26	2.37	3.41
Direct bilirubin (mg/dl)	Bilirrubina	0.19	0.03	0.14	0.24	0.94	0.10	0.75	1.13
	Bilirrubina Directa AA	0.32	0.07	0.19	0.45	1.14	0.23	0.68	1.60
	Bilirrubina Directa AA líquida	0.37	0.08	0.22	0.52	1.14	0.23	0.68	1.60
Total bilirubin (mg/dl)	Bilirrubina	1.01	0.13	0.76	1.26	4.53	0.46	3.62	5.44
	Bilirrubina Total AA	0.87	0.18	0.52	1.22	4.02	0.81	2.41	5.63
	Bilirrubina Total AA líquida	0.87	0.18	0.52	1.22	4.16	0.83	2.50	5.82
Calcium (mg/dl)	Ca-Color AA	9.10	0.64	7.83	10.37	12.4	0.9	10.7	14.1
	Ca-Color Arsenazo III AA	9.56	0.67	8.22	10.90	12.5	0.9	10.7	14.3
Ionized calcium (Ca _i) (mmol/l)	Ion-selective electrode	0.85	0.10	0.66	1.04	1.08	0.12	0.84	1.32
Chloride (mEq/l)	Ion-selective electrode	99.3	5	89.4	109.2	83.6	4.2	75.2	92.0
Cholesterol (mg/dl)	Colestat enzimático AA	247	19	210	284	98.1	7.4	83.4	112.8
	Colestat enz. AA líquida	249	19	212	286	98.7	7.4	83.9	113.5
Creatinine (mg/dl)	Creatinina cinética AA líquida	1.28	0.19	0.90	1.66	5.35	0.67	4.01	6.69
	Creatinina cinética AA líquida (compensated)	1.30	0.20	0.91	1.69	5.75	0.72	4.31	7.19
	Creatinina enzym. AA líquida	0.45	0.06	0.34	0.56	5.16	0.65	3.87	6.45
Inorganic phosphorus (mg/dl)	Fosfatemia UV AA	4.13	0.37	3.39	4.87	7.68	0.58	6.53	8.83
Glucose (mg/dl)	Glicemia enzimática AA	86.3	6.5	73.4	99.2	285	22	242	328
	Glicemia enz. AA líquida	84.5	6.4	71.8	97.2	283	21	241	325
HDL Cholesterol (mg/dl)	HDL Colesterol monofase AA plus	68.1	8.5	51.1	85.1	28.9	3.6	21.7	36.1
	HDL Cholesterol fast	65.3	8.2	49.0	81.6	28.9	3.6	21.7	36.1
Iron (ug/dl)	Fer-color AA	247	30	188	306	62.9	9.5	44.0	81.8
	Fer-color AA líquida	237	29	180	294	56.6	8.5	39.6	73.6
Lactate (mg/dl)	Lactate	35.3	3.2	28.9	41.7	8.86	0.80	7.27	10.45
LDL Cholesterol (mg/dl)	LDL Colesterol monofase AA	150	19	112	188	60.8	7.6	45.6	76.0
Lithium (mmol/l)	Ion-selective electrode	0.65	0.09	0.47	0.83	1.70	0.16	1.39	2.01
Magnesium (mg/dl)	Mg-color AA	2.03	0.31	1.42	2.64	4.40	0.53	3.34	5.46
	Magnesium CPZ	2.06	0.31	1.44	2.68	4.66	0.56	3.54	5.78
Potassium (mEq/l)	Ion-selective electrode	4.04	0.20	3.64	4.44	6.02	0.30	5.42	6.62

KONELAB SERIES / WIENER LAB. CT SERIES - METABOLITES

METABOLITE	REAGENT	LEVEL 1				LEVEL 2			
		MEAN VALUE	1 D.S.	ACCEPTABLE RANGE		MEAN VALUE	1 D.S.	ACCEPTABLE RANGE	
Total proteins (g/dl)	Proteínas Totales AA	6.55	0.40	5.76	7.34	4.28	0.26	3.77	4.79
	Total Protein	6.30	0.38	5.54	7.06	4.12	0.25	3.63	4.61
Sodium (mEq/l)	Ion-selective electrode	146	8	131	161	127	7	114	140
Triglycerides (mg/dl)	TG Color GPO/PAP AA	168	13	143	193	76.0	5.7	64.6	87.4
	TG Color GPO/PAP AA líquida	173	13	147	199	77.9	5.9	66.2	89.6
UIBC (ug/dl)	UIBC/TIBC AA líquida	-	-	-	-	141	14	113	169
Urea (mg/dl)	Urea UV cinética AA	32.7	4.9	22.9	42.5	103	13	78	128
	Urea UV cin.AA líquida	31.8	4.8	22.3	41.3	102	12	78	126

(-) Non-assigned

Lot: 1702210520 Level 1: 201920 Level 2: 201930

KONELAB SERIES / WIENER LAB. CT SERIES - ENZYMES

ENZYME	REAGENT	LEVEL 1				LEVEL 2			
		MEAN VALUE	1 D.S.	ACCEPTABLE RANGE		MEAN VALUE	1 D.S.	ACCEPTABLE RANGE	
Alanine aminotransferase (GPT/ALT) (U/l)	GPT (ALT) UV AA	34.7	3.5	27.8	41.6	105	11	84	126
	GPT (ALT) UV AA líquida	34.9	4.4	26.2	43.6	104	13	78	130
Amylase (U/l)	Amilasa 405 cinética AA	85.1	10.7	63.8	106.4	513	64	385	641
	Amilasa 405 AA líquida	84.1	10.5	63.1	105.1	503	63	377	629
Aspartate aminotransferase (GOT/AST) (U/l)	GOT (AST) UV AA	38.7	3.9	31.0	46.4	195	20	156	234
	GOT (AST) UV AA líquida	40.6	5.1	30.4	50.8	190	24	142	238
Cholinesterase (U/l)	Colinesterasa AA	2056	206	1645	2467	4534	454	3627	5441
	Cholinesterase	2365	237	1892	2838	4545	455	3636	5454
Creatine kinase (U/l)	CK-NAC UV AA	118	12	94	142	410	41	328	492
	CK-NAC UV AA líquida	116	15	87	145	394	50	295	493
Non-prostatic acid phosphatase (U/l)	Fosfatasa Acida Total y Prostática cinética	4.65	0.70	3.25	6.05	4.74	0.71	3.32	6.16
Total acid phosphatase (U/l)	Fosfatasa Acida Total y Prostática cinética	9.22	1.39	6.45	11.99	37.5	4.7	28.1	46.9
Alkaline phosphatase (U/l)	ALP 405 AA líquida	158	16	126	190	564	57	451	677
γ -glutamyl transferase (U/l)	γ-G-test cinética AA	29.8	3.8	22.3	37.3	136	14	109	163
	γ-G-test cinética AA líquida	30.0	3.8	22.5	37.5	136	14	109	163
Lactate dehydrogenase (U/l)	LDH-P UV AA	335	34	268	402	753	76	602	904
	LDH-P UV AA líquida	333	42	250	416	742	93	556	928
	LDH-L	166	17	133	199	358	36	286	430
Lipase (U/l)	Lipasa AA líquida	36.0	3.6	28.8	43.2	52.9	5.3	42.3	63.5

Lot: 1702210520 Level 1: 201920 Level 2: 201930

BT 3000 PLUS / WIENER LAB. CB SERIES - METABOLITES

METABOLITE	REAGENT	LEVEL 1				LEVEL 2			
		MEAN VALUE	1 D.S.	ACCEPTABLE RANGE		MEAN VALUE	1 D.S.	ACCEPTABLE RANGE	
Uric acid (mg/dl)	Uricostat enzimático AA	5.28	0.48	4.33	6.23	9.75	0.88	7.99	11.51
	Uricostat enz. AA líquida	5.26	0.48	4.31	6.21	9.56	0.86	7.84	11.28
Albumin (g/dl)	Albúmina AA	3.78	0.29	3.21	4.35	2.96	0.27	2.43	3.49
Direct bilirubin (mg/dl)	Bilirrubina	0.29	0.04	0.22	0.36	1.11	0.11	0.89	1.33
	Bilirrubina Directa AA	0.39	0.08	0.23	0.55	1.10	0.22	0.66	1.54
	Bilirrubina Directa AA líquida	0.34	0.07	0.20	0.48	1.13	0.23	0.68	1.58
Total bilirubin (mg/dl)	Bilirrubina	0.98	0.13	0.73	1.23	4.56	0.46	3.65	5.47
	Bilirrubina Total AA	0.85	0.17	0.51	1.19	3.90	0.78	2.34	5.46
	Bilirrubina Total AA líquida	0.77	0.16	0.46	1.08	4.03	0.81	2.42	5.64
Calcium (mg/dl)	Ca-Color AA	8.90	0.63	7.65	10.15	13.0	0.9	11.2	14.8
	Ca-Color Arsenazo III AA	9.89	0.69	8.51	11.27	12.3	0.9	10.6	14.0
Chloride (mEq/l)	Ion-selective electrode	103	5	93	113	85.9	4.3	77.3	94.5
Cholesterol (mg/dl)	Colestat enzimático AA	251	19	213	289	101	8	86	116
	Colestat enz. AA líquida	253	19	215	291	102	8	87	117
Creatinine (mg/dl)	Creatinina cinética AA líquida	1.40	0.21	0.98	1.82	5.52	0.69	4.14	6.90
	Creatinina cinética AA líquida (compensated)	1.39	0.21	0.97	1.81	5.77	0.72	4.33	7.21
	Creatinina enzim. AA líquida	0.45	0.06	0.34	0.56	5.23	0.66	3.92	6.54
Inorganic phosphorus (mg/dl)	Fosfatemia UV AA	3.98	0.36	3.26	4.70	7.41	0.56	6.30	8.52
Glucose (mg/dl)	Glicemia enzimática AA	89.5	6.7	76.1	102.9	289	22	246	332
	Glicemia enz. AA líquida	88.5	6.7	75.2	101.8	289	22	246	332
HDL Cholesterol (mg/dl)	HDL Colesterol monofase AA plus	78.2	9.8	58.6	97.8	29.5	3.7	22.1	36.9
	HDL Cholesterol fast	67.3	8.4	50.5	84.1	24.7	3.1	18.5	30.9
Iron (ug/dl)	Fer-color AA	250	30	190	310	60.7	9.1	42.5	78.9
	Fer-color AA líquida	225	27	171	279	54.7	8.2	38.3	71.1
Lactate (mg/dl)	Lactate	37.2	3.4	30.5	43.9	8.97	0.81	7.36	10.58
LDL Cholesterol (mg/dl)	LDL Colesterol monofase AA	125	16	94	156	52.4	6.6	39.3	65.5
Magnesium (mg/dl)	Mg-color AA	2.00	0.30	1.40	2.60	4.34	0.52	3.30	5.38
	Magnesium CPZ	1.99	0.30	1.39	2.59	4.54	0.55	3.45	5.63
Potassium (mEq/l)	Ion-selective electrode	3.98	0.20	3.58	4.38	6.00	0.30	5.40	6.60
Total proteins (g/dl)	Proteínas Totales AA	6.59	0.40	5.80	7.38	4.36	0.26	3.84	4.88
	Total Protein	6.49	0.39	5.71	7.27	4.20	0.25	3.70	4.70
Sodium (mEq/l)	Ion-selective electrode	142	7	128	156	125	7	112	138

BT 3000 PLUS / WIENER LAB. CB SERIES - METABOLITES

METABOLITE	REAGENT	LEVEL 1				LEVEL 2			
		MEAN VALUE	1 D.S.	ACCEPTABLE RANGE		MEAN VALUE	1 D.S.	ACCEPTABLE RANGE	
Triglycerides (mg/dl)	TG Color GPO/PAP AA	176	13	150	202	81.1	6.1	68.9	93.3
	TG Color GPO/PAP AA líquida	172	13	146	198	81.0	6.1	68.8	93.2
UIBC (ug/dl)	UIBC/TIBC AA líquida	-	-	-	-	119	15	89	149
Urea (mg/dl)	Urea UV cinética AA	33.3	5.0	23.3	43.3	102	12	78	126
	Urea UV cin.AA líquida	33.8	5.1	23.7	43.9	104	13	79	129

(-) Non-assigned

Lot: 1702210520 Level 1: 201920 Level 2: 201930

BT 3000 PLUS / WIENER LAB. CB SERIES - ENZYMES

ENZYME	REAGENT	LEVEL 1				LEVEL 2			
		MEAN VALUE	1 D.S.	ACCEPTABLE RANGE		MEAN VALUE	1 D.S.	ACCEPTABLE RANGE	
Alanine aminotransferase (GPT/ALT) (U/l)	GPT (ALT) UV AA	34.5	3.5	27.6	41.4	102	10	82	122
	GPT (ALT) UV AA líquida	32.0	4.0	24.0	40.0	100	13	75	125
Amylase (U/l)	Amilasa 405 cinética AA	86.9	10.9	65.2	108.6	517	65	388	646
	Amilasa 405 AA líquida	86.9	10.9	65.2	108.6	508	64	381	635
Aspartate aminotransferase (GOT/AST) (U/l)	GOT (AST) UV AA	40.0	4.0	32.0	48.0	190	19	152	228
	GOT (AST) UV AA líquida	36.7	4.6	27.5	45.9	187	24	140	234
Cholinesterase (U/l)	Colinesterasa AA	2073	208	1658	2488	4302	430	3442	5162
	Cholinesterase	2407	241	1926	2888	4570	457	3656	5484
Creatine kinase (U/l)	CK-NAC UV AA	116	12	93	139	404	41	323	485
	CK-NAC UV AA líquida	121	15	91	151	400	50	300	500
Non-prostatic acid phosphatase (U/l)	Fosfatasa Acida Total y Prostática cinética	3.92	0.59	2.74	5.10	4.38	0.66	3.07	5.69
Total acid phosphatase (U/l)	Fosfatasa Acida Total y Prostática cinética	8.40	1.26	5.88	10.92	41.1	5.2	30.8	51.4
Alkaline phosphatase (U/l)	ALP 405 AA líquida	189	19	151	227	669	67	535	803
γ -glutamyl transferase (U/l)	γ-G-test cinética AA	30.2	3.8	22.6	37.8	136	14	109	163
	γ-G-test cinética AA líquida	29.2	3.7	21.9	36.5	136	14	109	163
Lactate dehydrogenase (U/l)	LDH-P UV AA	350	35	280	420	722	72	578	866
	LDH-P UV AA líquida	354	45	265	443	730	92	547	913
	LDH-L	166	17	133	199	358	36	286	430
Lipase (U/l)	Lipasa AA líquida	39.4	4.0	31.5	47.3	57.3	5.8	45.8	68.8

Lot: 1702210520 Level 1: 201920 Level 2: 201930

METROLAB 2300 PLUS / WIENER LAB. CM SERIES - METABOLITES

METABOLITE	REAGENT	LEVEL 1				LEVEL 2			
		MEAN VALUE	1 D.S.	ACCEPTABLE RANGE		MEAN VALUE	1 D.S.	ACCEPTABLE RANGE	
Uric acid (mg/dl)	Uricostat enzimático AA	5.20	0.47	4.26	6.14	9.90	0.89	8.12	11.68
	Uricostat enz. AA líquida	5.11	0.46	4.19	6.03	9.69	0.87	7.95	11.43
Albumin (g/dl)	Albúmina AA	4.00	0.30	3.40	4.60	2.90	0.26	2.38	3.42
Direct bilirubin (mg/dl)	Bilirrubina	0.14	0.05	0.04	0.24	1.01	0.10	0.81	1.21
	Bilirrubina Directa AA	0.21	0.05	0.10	0.32	1.04	0.21	0.62	1.46
	Bilirrubina Directa AA líquida	0.40	0.08	0.24	0.56	1.13	0.23	0.68	1.58
Total bilirubin (mg/dl)	Bilirrubina	1.04	0.13	0.78	1.30	4.56	0.46	3.65	5.47
	Bilirrubina Total AA	0.88	0.18	0.53	1.23	3.93	0.79	2.36	5.50
	Bilirrubina Total AA líquida	0.84	0.17	0.50	1.18	4.03	0.81	2.42	5.64
Calcium (mg/dl)	Ca-Color AA	9.47	0.67	8.14	10.80	12.8	0.9	11.0	14.6
	Ca-Color Arsenazo III AA	9.79	0.69	8.42	11.16	12.7	0.9	10.9	14.5
Cholesterol (mg/dl)	Colestat enzimático AA	247	19	210	284	101	8	86	116
	Colestat enz. AA líquida	249	19	212	286	102	8	87	117
Creatinine (mg/dl)	Creatinina cinética AA líquida	1.12	0.17	0.78	1.46	5.38	0.68	4.03	6.73
	Creatinina cinética AA líquida (compensated)	1.21	0.18	0.85	1.57	5.59	0.70	4.19	6.99
	Creatinina enzim. AA líquida	0.45	0.06	0.34	0.56	5.30	0.67	3.97	6.63
Inorganic phosphorus (mg/dl)	Fosfatemia UV AA	4.42	0.40	3.62	5.22	8.07	0.61	6.86	9.28
Glucose (mg/dl)	Glicemia enzimática AA	85.3	6.4	72.5	98.1	291	22	247	335
	Glicemia enz. AA líquida	86.0	6.5	73.1	98.9	292	22	248	336
HDL Cholesterol (mg/dl)	HDL Colesterol monofase AA plus	66.4	8.3	49.8	83.0	26.8	3.4	20.1	33.5
	HDL Cholesterol fast	63.6	8.0	47.7	79.5	25.3	3.2	19.0	31.6
Iron (ug/dl)	Fer-color AA	251	30	191	311	62.6	9.4	43.8	81.4
	Fer-color AA líquida	239	29	182	296	59.0	8.9	41.3	76.7
Lactate (mg/dl)	Lactate	36.7	3.3	30.1	43.3	11.3	1.0	9.3	13.3
LDL Cholesterol (mg/dl)	LDL Colesterol monofase AA	125	16	94	156	53.6	6.7	40.2	67.0
Magnesium (mg/dl)	Mg-color AA	2.10	0.32	1.47	2.73	4.25	0.51	3.23	5.27
	Magnesium CPZ	2.03	0.31	1.42	2.64	4.61	0.56	3.50	5.72
Total proteins (g/dl)	Proteínas Totales AA	6.72	0.41	5.91	7.53	4.43	0.27	3.90	4.96
	Total Protein	6.30	0.38	5.54	7.06	4.44	0.27	3.91	4.97
Triglycerides (mg/dl)	TG Color GPO/PAP AA	173	13	147	199	80.9	6.1	68.8	93.0
	TG Color GPO/PAP AA líquida	174	13	148	200	79.0	6.0	67.1	90.9
UIBC (ug/dl)	UIBC/TIBC AA líquida	-	-	-	-	151	15	121	181

(-) Non-assigned

METROLAB 2300 PLUS / WIENER LAB. CM SERIES - METABOLITES

METABOLITE	REAGENT	LEVEL 1				LEVEL 2			
		MEAN VALUE	1 D.S.	ACCEPTABLE RANGE		MEAN VALUE	1 D.S.	ACCEPTABLE RANGE	
Urea (mg/dl)	Urea UV cinética AA	35.3	5.3	24.7	45.9	105	13	80	130
	Urea UV cin.AA líquida	33.0	5.0	23.1	42.9	106	13	81	131

Lot: 1702210520 Level 1: 201920 Level 2: 201930

METROLAB 2300 PLUS / WIENER LAB. CM SERIES - ENZYMES

ENZYME	REAGENT	LEVEL 1				LEVEL 2			
		MEAN VALUE	1 D.S.	ACCEPTABLE RANGE		MEAN VALUE	1 D.S.	ACCEPTABLE RANGE	
Alanine aminotransferase (GPT/ALT) (U/l)	GPT (ALT) UV AA	32.1	3.2	25.7	38.5	109	11	87	131
	GPT (ALT) UV AA líquida	29.9	3.8	22.4	37.4	107	14	80	134
Amylase (U/l)	Amilasa 405 cinética AA	84.1	10.5	63.1	105.1	526	66	394	658
	Amilasa 405 AA líquida	82.9	10.4	62.2	103.6	515	65	386	644
Aspartate aminotransferase (GOT/AST) (U/l)	GOT (AST) UV AA	39.8	4.0	31.8	47.8	204	21	163	245
	GOT (AST) UV AA líquida	37.4	4.7	28.0	46.8	203	26	152	254
Cholinesterase (U/l)	Colinesterasa AA	2228	223	1782	2674	4534	454	3627	5441
	Cholinesterase	2394	240	1915	2873	4601	460	3681	5521
Creatine kinase (U/l)	CK-NAC UV AA	124	13	99	149	423	43	338	508
	CK-NAC UV AA líquida	123	16	92	154	397	50	298	496
Non-prostatic acid phosphatase (U/l)	Fosfatasa Acida Total y Prostática cinética	4.18	0.63	2.93	5.43	4.70	0.71	3.29	6.11
Total acid phosphatase (U/l)	Fosfatasa Acida Total y Prostática cinética	8.69	1.31	6.08	11.30	41.1	5.2	30.8	51.4
Alkaline phosphatase (U/l)	ALP 405 AA líquida	187	19	150	224	672	67	538	806
γ-glutamyl transferase (U/l)	γ-G-test cinética AA	29.5	3.7	22.1	36.9	134	14	107	161
	γ-G-test cinética AA líquida	27.8	3.5	20.8	34.8	144	15	115	173
Lactate dehydrogenase (U/l)	LDH-P UV AA	348	35	278	418	730	73	584	876
	LDH-P UV AA líquida	343	43	257	429	749	94	562	936
	LDH-L	173	18	138	208	371	37	297	445
Lipase (U/l)	Lipasa AA líquida	38.2	3.8	30.6	45.8	47.1	4.7	37.7	56.5

Lot: 1702210520 Level 1: 201920 Level 2: 201930

WIENER LAB. CMD 800 SERIES - METABOLITES

METABOLITE	REAGENT	LEVEL 1				LEVEL 2			
		MEAN VALUE	1 D.S.	ACCEPTABLE RANGE		MEAN VALUE	1 D.S.	ACCEPTABLE RANGE	
Uric acid (mg/dl)	Uricostat enz. AA líquida	5.10	0.46	4.18	6.02	9.18	0.83	7.53	10.83
Albumin (g/dl)	Albúmina AA	3.97	0.30	3.37	4.57	2.85	0.26	2.34	3.36
Direct bilirubin (mg/dl)	Bilirrubina Directa AA líquida	0.35	0.07	0.21	0.49	0.93	0.19	0.56	1.30
Total bilirubin (mg/dl)	Bilirrubina Total AA líquida	1.09	0.22	0.65	1.53	5.00	1.00	3.00	7.00
Calcium (mg/dl)	Ca-Color Arsenazo III AA	9.87	0.69	8.49	11.25	12.3	0.9	10.6	14.0
Chloride (mEq/l)	Ion-selective electrode	97.4	4.9	87.7	107.1	80.5	4.1	72.4	88.6
Cholesterol (mg/dl)	Colestat enz. AA líquida	254	19	216	292	98.0	7.4	83.3	112.7
Creatinine (mg/dl)	Creatinina cinética AA líquida (compensated)	1.35	0.21	0.94	1.76	5.78	0.73	4.33	7.23
	Creatinina enzym. AA líquida	0.46	0.06	0.34	0.58	5.32	0.67	3.99	6.65
Inorganic phosphorous (mg/dl)	Fosfatemia UV AA	4.52	0.41	3.71	5.33	7.76	0.58	6.60	8.92
Glucose (mg/dl)	Glicemia enz. AA líquida	89.0	6.7	75.6	102.4	289	22	246	332
	Glucose HK	81.0	6.1	68.8	93.2	276	21	235	317
HDL Cholesterol (mg/dl)	HDL Colesterol monofase AA plus	73.0	9.2	54.7	91.3	28.7	3.6	21.5	35.9
	HDL Cholesterol fast	68.1	8.5	51.1	85.1	27.0	3.4	20.2	33.8
Iron (ug/dl)	Fer-color AA líquida	256	31	195	317	61.0	9.2	42.7	79.3
Lactate (mg/dl)	Lactate	37.2	3.4	30.5	43.9	8.80	0.79	7.22	10.38
LDL Cholesterol (mg/dl)	LDL Colesterol monofase AA	128	16	96	160	52.3	6.6	39.2	65.4
Magnesium (mg/dl)	Magnesium CPZ	2.10	0.32	1.47	2.73	4.68	0.56	3.56	5.80
Potassium (mEq/l)	Ion-selective electrode	3.97	0.20	3.57	4.37	6.11	0.31	5.50	6.72
Total Protein (g/dl)	Proteínas Totales AA	6.76	0.41	5.95	7.57	4.27	0.26	3.76	4.78
	Total Protein	6.65	0.40	5.85	7.45	4.22	0.26	3.71	4.73
Sodium (mEq/l)	Ion-selective electrode	142	7	128	156	123	6	111	135
Triglycerides (mg/dl)	TG Color GPO/PAP AA líquida	177	14	150	204	78.0	5.9	66.3	89.7
UIBC (ug/dl)	UIBC/TIBC AA líquida	-	-	-	-	135	17	101	169
Urea (mg/dl)	Urea UV cinética AA líquida	31.9	4.8	22.3	41.5	89.3	10.7	67.9	110.7

(-) Non-assigned

Lot: 1702210520 Level 1: 201920 Level 2: 201930

WIENER LAB. CMD 800 SERIES - ENZYMES

ENZYME	REAGENT	LEVEL 1				LEVEL 2			
		MEAN VALUE	1 D.S.	ACCEPTABLE RANGE		MEAN VALUE	1 D.S.	ACCEPTABLE RANGE	
Alanine aminotransferase (GPT/ALT) (U/l)	GPT (ALT) UV AA líquida	32.2	4.1	24.1	40.3	99.3	12.4	74.5	124.1
Amilase (U/l)	Amilasa 405 AA líquida	85.0	10.7	63.7	106.3	490	62	367	613
Aspartate aminotransferase (GOT/AST) (U/l)	GOT (AST) UV AA líquida	38.0	4.8	28.5	47.5	183	23	137	229
Cholinesterase (U/l)	Cholinesterase	2411	241	1929	2893	4390	439	3512	5268
Creatine kinase (U/l)	CK-NAC UV AA líquida	122	16	91	153	389	49	292	486
Non-prostatic acid phosphatase (U/l)	Fosfatasa Acida Total y Prostática cinética	3.33	0.50	2.33	4.33	4.19	0.63	2.93	5.45
Total acid phosphatase (U/l)	Fosfatasa Acida Total y Prostática cinética	7.67	1.15	5.37	9.97	42.1	5.3	31.6	52.6
Alkaline phosphatase (U/l)	ALP 405 AA líquida	158	16	126	190	515	52	412	618
γ -glutamyl transferase (U/l)	γ-G-test cinética AA líquida	29.7	3.7	22.3	37.1	130	13	104	156
Lactato dehydrogenase (U/l)	LDH-P UV AA líquida	343	43	257	429	728	91	546	910
	LDH-L	171	17	137	205	356	36	285	427
Lipase (U/l)	Lipasa AA líquida	39.1	3.9	31.3	46.9	53.1	5.3	42.5	63.7

Lot: 1702210520 Level 1: 201920 Level 2: 201930

WIENER LAB. IC SERIES - IONS

ION	LEVEL 1				LEVEL 2			
	MEAN VALUE	1 D.S.	ACCEPTABLE RANGE		MEAN VALUE	1 D.S.	ACCEPTABLE RANGE	
Potassium (mEq/l)	3.88	0.20	3.49	4.27	6.00	0.30	5.40	6.60
Sodium (mEq/l)	139	7	125	153	120	6	108	132
Chloride (mEq/l)	92.3	4.6	83.1	101.5	78.9	4.0	71.0	86.8
Ionic calcium - Ca_n (mmol/l)	0.88	0.08	0.72	1.04	1.20	0.13	0.94	1.46
Ionic calcium - Ca_i (mmol/l)	0.75	0.08	0.60	0.90	1.04	0.12	0.81	1.27
Lithium (mmol/l)	0.58	0.08	0.42	0.74	1.74	0.16	1.43	2.05

Lot: 1702210520 Level 1: 201920 Level 2: 201930

Symbols

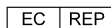
The following symbols are used in the packaging for Wiener lab. diagnostic reagent kits.



This product fulfills the requirements of the European Directive 98/79 EC for "in vitro" diagnostic medical devices



Manufactured by:



Authorized representative in the European Community



Harmful



"In vitro" diagnostic medical device



Corrosive / Caustic



Contains sufficient for <n> tests



Irritant



Use by



Consult instructions for use



Temperature limitation (store at)



Calibrator



Do not freeze



Control



Biological risks



Positive Control



Volume after reconstitution



Negative Control




Contents



Catalog number



Batch code

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