



**COLLEGE of AMERICAN
PATHOLOGISTS**

325 Waukegan Road, Northfield, Illinois 60093-2750
800-323-4040 • cap.org

ORIGINAL EVALUATION

U-B 2023 Urine Chemistry-General

INSTITUTION: LKF Laboratorium fur Klinische Forschung GmbH
Schwentinental GE 24223

ATTENTION: Volker El-Samalouti PhD

CAP NUMBER: 7234136-01 **Kit#** 1

KIT INFORMATION:	Kit ID: 36414712	Kit Mailed: 7/10/2023	Original Evaluation: 8/11/2023	Next Mailing Date: 2/26/2024
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LEGEND: **Exception Reason Codes appearing in this evaluation:**
[26] = Educational challenge.

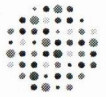
S. [Signature]

Reviewed By

131/10/2023

Date

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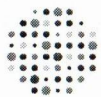
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**EVALUATION
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Test Unit of Measure Peer Group	Evaluation and Comparative Method Statistics									Plot of the Relative Distance of Your Results from Target as Percentages of allowed Deviation	
	Specimen	Your Result	Mean	S.D.	No. of Labs	S.D.I	Limits of Acceptability Lower	Upper	Your Grade	Survey	-100-----Mean-----+100
Calcium, urine mmol/L NM-BAPTA ROCHE COBAS c500/c303	U-07	10.45	10.647	0.344	269	-0.6	9.61	11.69	Acceptable	<p>U-B 2023 U-A 2023 U-B 2022</p> <p>x: Result is outside the acceptable limits</p>	
	U-08	9.35	9.145	0.296	273	+0.7	8.25	10.04	Acceptable		
	U-09	5.95	5.941	0.115	275	+0.1	5.59	6.29	Acceptable		
Glucose, urine mg/dL HEXOKINASE G6PDH/UV ROCHE COBAS c500/c303	U-07	77.0	76.60	1.60	174	+0.2	70.6	82.7	Acceptable	<p>U-B 2023 U-A 2023 U-B 2022</p>	
	U-08	42.0	41.89	1.00	175	+0.1	35.8	47.9	Acceptable		
	U-09	211.0	213.65	4.32	175	-0.6	200.6	226.6	Acceptable		
Magnesium, urine mmol/L COLOR-DYE-XYLIDYL BLUE ROCHE COBAS c500/c303	U-07	2.9	2.79	0.13	172	+0.8	2.3	3.2	Acceptable	<p>U-B 2023 U-A 2023 U-B 2022</p> <p>x: Result is outside the acceptable limits</p>	
	U-08	12.1	11.43	0.48	168	+1.4	10.0	12.9	Acceptable		
	U-09	6.9	6.75	0.24	175	+0.6	6.0	7.5	Acceptable		
Phosphorus, urine mmol/L PHOSPHOMOLYBDATE UV ROCHE COBAS c500/c303	U-07	25.80	25.074	0.795	257	+0.9	22.68	27.46	Acceptable	<p>U-B 2023 U-A 2023 U-B 2022</p>	
	U-08	11.70	11.359	0.376	261	+0.9	10.23	12.49	Acceptable		
	U-09	21.30	20.927	0.654	261	+0.6	18.96	22.90	Acceptable		
Potassium, urine mmol/L ION SELECTIVE ELECTROD ROCHE COBAS c6000 ISE	U-07	122	121.1	4.4	121	+0.2	107	135	Acceptable	<p>U-B 2023 U-A 2023 U-B 2022</p> <p>x: Result is outside the acceptable limits</p>	
	U-08	25	25.3	0.6	209	-0.6	23	28	Acceptable		
	U-09	101	103.1	4.2	145	-0.5	90	116	Acceptable		

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	Specimen	Your Result	Mean	S.D.	No. of Labs	S.D.I	Limits of Acceptability Lower Upper		Your Grade	Survey	-100-----Mean-----+ 100
Urine albumin/ creat ra mg/g	U-10	88.7 ✓	97.84	10.30	2087	-0.9			See Note [26]		
	U-11	15.6 ✓	17.03	2.05	2075	-0.7			See Note [26]		
	U-12	19.6 ✓	20.57	4.11	2124	-0.2			See Note [26]		
Urea nitrogen, urine mg/dL UREASE WITH GLDH ROCHE COBAS c500/c303	U-10	789.0	763.31	32.98	326	+0.8	664.3	862.3	Acceptable	U-B 2023 U-A 2023 U-B 2022 	
	U-11	878.0	865.50	36.19	333	+0.3	756.9	974.1	Acceptable		
	U-12	557.0	544.20	22.29	335	+0.6	477.3	611.1	Acceptable		
Uric Acid, urine mg/dL URICASE ROCHE COBAS c500/c303	U-10	11.00	10.723	0.426	305	+0.7	9.44	12.01	Acceptable	U-B 2023 U-A 2023 U-B 2022 	
	U-11	21.70	21.352	0.770	311	+0.5	19.04	23.67	Acceptable		
	U-12	23.40	22.338	0.763	311	+1.4	20.04	24.63	Acceptable		
	U-13	42.40	40.776	1.433	314	+1.1	36.47	45.08	Acceptable		
Sodium, urine mmol/L ION SELECTIVE ELECTROD ROCHE COBAS c6000 ISE	U-10	143	141.3	1.6	206	+1.1	136	147	Acceptable	U-B 2023 U-A 2023 U-B 2022 	
	U-11	47	45.0	1.7	208	+1.1	39	51	Acceptable		
	U-12	25	24.3	1.7	201	+0.4	19	30	Acceptable		

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	Specimen	Your Result	Mean	S.D.	No. of Labs	S.D.I	Limits of Acceptability Lower Upper		Your Grade	
Protein, Total g/L BENZETH CI (ROCHE OUS) ROCHE COBAS c500/c303	U-07									
	U-08									
	U-09									
	Method/Instrument/Result	U-07	1.22	1.200	0.025	132	+0.8	1.12	1.28	
	U-08	0.97	0.962	0.025	133	+0.3	0.88	1.04	Acceptable	
	U-09	1.00	0.995	0.025	133	+0.2	0.91	1.08	Acceptable	
Chloride, urine mmol/L ION SELECTIVE ELECTROD ROCHE COBAS c6000 ISE	U-10	83	83.1	2.7	186	0.0	74	92	Acceptable	
	U-11	114	113.4	1.9	194	+0.3	107	120	Acceptable	
	U-12	20	18.5	2.2	83	+0.7	11	26	Acceptable	
Urine albumin mg/L TURBIDIMETRC/IMMUNOTUR ROCHE COBAS c500/c303	U-10	82.5	81.52	2.93	504	+0.3	72.7	90.4	Acceptable	
	U-11	25.9	26.19	0.94	505	-0.3	23.3	29.1	Acceptable	
	U-12	15.1	15.37	0.77	505	-0.4	13.0	17.7	Acceptable	
Creatinine, urine mg/dL ENZYMATIC ROCHE COBAS c500/c303	U-10	93.00	91.939	2.919	308	+0.4	83.18	100.70	Acceptable	
	U-11	166.00	163.189	4.844	303	+0.6	148.65	177.73	Acceptable	
	U-12	77.00	75.293	2.376	311	+0.7	68.16	82.43	Acceptable	

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