

URINE ESSENTIAL ELEMENTS

ESSENTIAL ELEMENTS

ELEMENTS	RESULT mEq/mg creat	REFERENCE RANGE	PERCENTILE					
			2.5 th	16 th	50 th	84 th	97.5 th	
Sodium	N/A	43.5 - 226						
Potassium	N/A	22 - 82						
	µg/mg creat							
Phosphorus	N/A	250 - 1300						
Calcium	N/A	35 - 350						
Magnesium	N/A	25 - 230						
Zinc	N/A	0.1 - 2						
Copper	0.012	0.01 - 0.09						
Sulfur	N/A	308 - 1650						
Manganese	N/A	0.0005 - 0.01						
Molybdenum	N/A	0.016 - 0.18						
Boron	N/A	0.8 - 6.8						
Chromium	N/A	0.0005 - 0.01						
Lithium	N/A	0.01 - 0.2						
Selenium	N/A	0.034 - 0.28						
Strontium	N/A	0.06 - 0.54						
Vanadium	N/A	0.0002 - 0.004						
					68 th	95 th		
Cobalt	N/A	< 0.008						
Iron	N/A	< 2						

URINE CREATININE

	RESULT mg/dL	REFERENCE RANGE	2SD LOW	1SD LOW	MEAN	1SD HIGH	2SD HIGH
Creatinine	112	35 - 225					

SPECIMEN DATA

Comments: **Results checked.**

Date Collected: 10/19/2010	pH Upon Receipt: Acceptable	Collection Period: Random
Date Received: 10/22/2010	<dl: less than detection limit	Volume: 600 ml
Date Completed: 10/27/2010	Provoking Agent:	Provocation: PRE PROVOCATIVE
Method: ISE; Na, K Spectrophotometry; P ICP-MS; B, Ca, Cr, Co, Cu, Fe, Mg, Mn, Mo, Se, Sr, S, V, Zn	Creatinine by Jaffe Method	

Essential elements are reported per mg creatinine to account for urine dilution variations. **Reference ranges are representative of a healthy population under non-challenge or non-provoked conditions.** Detoxification therapies can cause significant elevations of certain essential element levels (e.g. Cu, Zn).

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Test nr.	X	Doctor Name	X
Patient Name	X	Practitioner Address	
Patient nr.	X		
Age	X	Sex	Female

24 HOUR URINE ESSENTIAL ELEMENTS

ESSENTIAL ELEMENTS

ELEMENTS	RESULT mEq/mg creat	REFERENCE RANGE	RESULT mEq/24 HR	REFERENCE RANGE	PERCENTILE				
					2.5 th	16 th	50 th	84 th	97.5 th
Sodium	N/A	43.5 - 226	N/A	52 - 265					
Potassium	N/A	22 - 82	N/A	23 - 96					
	µg/mg creat		mg/24 HR						
Phosphorus	N/A	250 - 1300	N/A	220 - 1500					
Calcium	N/A	35 - 350	N/A	35 - 325					
Magnesium	N/A	25 - 230	N/A	20 - 230					
Zinc	N/A	0.1 - 2	N/A	0.12 - 1.5					
Copper	0.71	0.01 - 0.09	0.55	0.011 - 0.08					
Sulfur	N/A	308 - 1650	N/A	308 - 1650					
Manganese	N/A	0.0005 - 0.01	N/A	0.0008 - 0.008					
Molybdenum	N/A	0.016 - 0.18	N/A	0.02 - 0.18					
Boron	N/A	0.8 - 6.8	N/A	0.9 - 7.2					
Chromium	N/A	0.0005 - 0.01	N/A	0.0005 - 0.01					
Lithium	N/A	0.01 - 0.2	N/A	0.01 - 0.2					
Selenium	N/A	0.034 - 0.28	N/A	0.034 - 0.3					
Strontium	N/A	0.06 - 0.54	N/A	0.05 - 0.53					
Vanadium	N/A	0.0002 - 0.004	N/A	0.0002 - 0.004					
							68 th	95 th	
Cobalt	N/A	< 0.008	N/A	< 0.008					
Iron	N/A	< 2	N/A	< 2					

URINE CREATININE

	RESULT mg/24 hr	REFERENCE RANGE	2SD LOW	1SD LOW	MEAN	1SD HIGH	2SD HIGH
Creatinine	780	600 - 1900					

SPECIMEN DATA

Comments:

Date Collected:	10/20/2010	pH Upon Receipt:	Acceptable	Collection Period:	24 Hr/Coll
Date Received:	10/25/2010	<dl:	less than detection limit	Volume:	1700 ml
Date Completed:	11/1/2010	Provoking Agent:		Provocation:	POST PROVOCATIVE
Method:	ISE; Na, K Spectrophotometry; P	ICP-MS; B, Ca, Cr, Co, Cu, Fe, Mg, Mn, Mo, Se, Sr, S, V, Zn			Creatinine by Jaffe Method

Essential elements are reported per mg creatinine and mg/24 hour to account for urine dilution variations. **Reference ranges are representative of a healthy population under non-challenge or non-provoked conditions.** Detoxification therapies can cause significant elevations of certain essential element levels (e.g. Cu, Zn).

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