



LAB #: U\$\$\$\$\$!\$\$\$\$\$
 PATIENT: GUa d`YDUjYbh
 ID: D5 H9 BHIG-00001
 SEX: Female
 AGE: 61

CLIENT #: %& ()
 DOCTOR:
 8 cWcf ffg' 8 UHJZ-bW
 ' +) 5 `=]bc]g' 5 j Y"
 GH*7\ UF`YgZ=@* \$%+(

Toxic Metals; Urine

TOXIC METALS					
		RESULT µg/g creat	REFERENCE INTERVAL	WITHIN REFERENCE	OUTSIDE REFERENCE
Aluminum	(Al)	210	< 35		
Antimony	(Sb)	0.5	< 0.4		
Arsenic	(As)	40	< 117		
Barium	(Ba)	11	< 7		
Beryllium	(Be)	< dl	< 1		
Bismuth	(Bi)	0.2	< 15		
Cadmium	(Cd)	2.2	< 1		
Cesium	(Cs)	8.9	< 10		
Gadolinium	(Gd)	0.4	< 0.4		
Lead	(Pb)	31	< 2		
Mercury	(Hg)	15	< 4		
Nickel	(Ni)	22	< 12		
Palladium	(Pd)	< dl	< 0.3		
Platinum	(Pt)	< dl	< 1		
Tellurium	(Te)	< dl	< 0.8		
Thallium	(Tl)	0.4	< 0.5		
Thorium	(Th)	< dl	< 0.03		
Tin	(Sn)	1.9	< 10		
Tungsten	(W)	1.2	< 0.4		
Uranium	(U)	0.2	< 0.04		

URINE CREATININE							
	RESULT mg/dL	REFERENCE INTERVAL	-2SD	-1SD	MEAN	+1SD	+2SD
Creatinine	26.7	35- 225					

SPECIMEN DATA			
Comments:			
Date Collected: 12/5/2011	pH upon receipt: Acceptable	Collection Period: timed: 6 hours	
Date Received: 12/7/2011	<dl: less than detection limit	Volume:	
Date Completed: 12/9/2011	Provoking Agent: DMPS CAEDTA	Provocation: POST PROVOCATIVE	
Method: ICP-MS	Creatinine by Jaffe Method		
Results are creatinine corrected to account for urine dilution variations. Reference intervals and corresponding graphs are representative of a healthy population under non-provoked conditions. Chelation (provocation) agents can increase urinary excretion of metals/elements.			
V13			



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Essential Elements; Urine

ESSENTIAL AND OTHER ELEMENTS								
	RESULT/UNIT per creatinine	REFERENCE INTERVAL	PERCENTILE					
			2.5 th	16 th	50 th	84 th	97.5 th	
Sodium (Na)	330 mEq/g	43.5- 226						
Potassium (K)	79 mEq/g	22- 82						
Phosphorus (P)	530 µg/mg	250- 1300						
Calcium (Ca)	1040 µg/mg	35- 350						
Magnesium (Mg)	480 µg/mg	25- 230						
Zinc (Zn)	34 µg/mg	0.1- 2						
Copper (Cu)	0.6 µg/mg	0.01- 0.09						
Sulfur (S)	1490 µg/mg	308- 1650						
Manganese (Mn)	0.099 µg/mg	0.0005- 0.01						
Molybdenum (Mo)	0.12 µg/mg	0.016- 0.18						
Boron (B)	1.3 µg/mg	0.8- 6.8						
Chromium (Cr)	0.003 µg/mg	0.0005- 0.01						
Lithium (Li)	0.023 µg/mg	0.01- 0.2						
Selenium (Se)	0.18 µg/mg	0.034- 0.28						
Strontium (Sr)	0.41 µg/mg	0.06- 0.54						
Vanadium (V)	0.002 µg/mg	0.0002- 0.004						
			68 th		95 th			
Cobalt (Co)	1.9 µg/mg	< 0.008						
Iron (Fe)	3 µg/mg	< 2						

URINE CREATININE						
RESULT mg/dL	REFERENCE INTERVAL	-2SD	-1SD	MEAN	+1SD	+2SD
26.7	35- 225					

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Comments:			
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Date Received: 12/7/2011	<dl: less than detection limit	Volume:	
Date Completed: 12/9/2011	Provoking Agent: DMPS CAEDTA	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			
Results are creatinine corrected to account for urine dilution variations. Reference intervals and corresponding graphs are representative of a healthy population under non-provoked conditions. Chelation (provocation) agents can increase urinary excretion of metals/elements.			
V13			