



PATIENT: Number 897
 SEX: Female
 AGE: 34

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	2.3	< 7.0	
Antimony (Sb)	< 0.01	< 0.050	
Arsenic (As)	0.012	< 0.060	
Barium (Ba)	1.6	< 2.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.036	< 2.0	
Cadmium (Cd)	0.010	< 0.050	
Lead (Pb)	0.09	< 0.60	
Mercury (Hg)	0.11	< 0.80	
Platinum (Pt)	0.010	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.018	< 0.060	
Nickel (Ni)	0.10	< 0.30	
Silver (Ag)	0.01	< 0.15	
Tin (Sn)	0.03	< 0.30	
Titanium (Ti)	0.31	< 0.70	
Total Toxic Representation			

ESSENTIAL AND OTHER ELEMENTS					
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 2.5 th 16 th 50 th 84 th 97.5 th		
Calcium (Ca)	587	300- 1200			
Magnesium (Mg)	70	35- 120			
Sodium (Na)	22	20- 250			
Potassium (K)	4	8- 75			
Copper (Cu)	22	11- 37			
Zinc (Zn)	180	140- 220			
Manganese (Mn)	0.09	0.08- 0.60			
Chromium (Cr)	0.28	0.40- 0.65			
Vanadium (V)	0.015	0.018- 0.065			
Molybdenum (Mo)	0.036	0.020- 0.050			
Boron (B)	0.71	0.25- 1.5			
Iodine (I)	0.19	0.25- 1.8			
Lithium (Li)	0.012	0.007- 0.020			
Phosphorus (P)	113	150- 220			
Selenium (Se)	0.72	0.55- 1.1			
Strontium (Sr)	2.7	0.50- 7.6			
Sulfur (S)	46400	44000- 50000			
Cobalt (Co)	0.014	0.005- 0.040			
Iron (Fe)	7.0	7.0- 16			
Germanium (Ge)	0.021	0.030- 0.040			
Rubidium (Rb)	0.007	0.007- 0.096			
Zirconium (Zr)	0.027	0.020- 0.42			

SPECIMEN DATA		RATIOS	
COMMENTS: Results checked.		ELEMENTS	RATIOS
Date Collected: 12/12/2013	Sample Size: 0.197 g	Ca/Mg	8.39
Date Received: 12/17/2013	Sample Type: Head	Ca/P	5.19
Date Completed: 12/27/2013	Hair Color: Brown	Na/K	5.5
Methodology: ICP/MS	Treatment:	Zn/Cu	8.18
	Shampoo: Dove	Zn/Cd	> 999
		RANGE	
			4- 30
			1- 12
			0.5- 10
			4- 20
			> 800

Health history for hair test 897

1. What are your current symptoms and health history? Autoimmune issues (hashimotos and addisions disease, infertility, mental sluggishness, blurry vision, fatigue, etc.
2. Dental history (Wisdom teeth removed and when? Any other extractions. First root canal placed? Braces? First amalgam etc...) Wisdom teeth were removed 20 years ago. No root canals or braces. First amalgam placed at age 8. The majority of amalgams were removed 5 years ago, but the last one was removed 4 months ago. Metal crown placed 5 years ago and replaced with an all porcelin crown 4 months ago.
3. What dental work do you currently have in place? What part of the dental clean-up have you completed? All amalgams removed and no metal remains.
4. What dentistry did your mother have at any time before or during pregnancy? Mother had multiple amalgams and one silver tooth.
5. What vaccinations have you had and when (including flu and especially travel shots)? All childhood vaccines given and flu shots given up until 3 years ago.
6. Supplements and medications (including dosages) taken at time of hair test, or for the 3-6 months before the sample was taken? I have been chelating with ALA and DMSA for the last 4 months or so. I am taking all recommended basic supplements per Cutler's protocol.
7. What is your age, height and weight? Age - 34 years old; height - 5 feet 5 inches; weight - 125lbs
8. Other information you feel may be relevant? I have already eliminated multiple reasons for my symptoms, including any food allergies and household toxins. I traveled on a weekly bases for work via plane up until 2 years ago. I now work from home with minimal travel.
9. What is your location – city & country (so that we can learn where certain toxins are more prevalent). Denver, CO