

HAIR ELEMENTS



Patient: Number 179
SEX: Male AGE: 28
Location: Stockholm, Sweden

POTENTIALLY TOXIC ELEMENTS				
TOXIC ELEMENTS	RESULT $\mu\text{g/g}$	REFERENCE RANGE	PERCENTILE	
			68 th	95 th
Aluminum	2.4	< 7.0		
Antimony	< 0.01	< 0.066		
Arsenic	0.071	< 0.080		
Beryllium	< 0.01	< 0.020		
Bismuth	0.015	< 2.0		
Cadmium	< 0.009	< 0.15		
Lead	0.05	< 2.0		
Mercury	0.53	< 1.1		
Platinum	< 0.003	< 0.005		
Thallium	0.001	< 0.010		
Thorium	< 0.001	< 0.005		
Uranium	0.038	< 0.060		
Nickel	0.08	< 0.40		
Silver	0.02	< 0.12		
Tin	0.05	< 0.30		
Titanium	0.33	< 1.0		
Total Toxic Representation				

ESSENTIAL AND OTHER ELEMENTS							
ELEMENTS	RESULT $\mu\text{g/g}$	REFERENCE RANGE	PERCENTILE				
			2.5 th	16 th	50 th	84 th	97.5 th
Calcium	477	200- 750					
Magnesium	19	25- 75					
Sodium	9	12- 90					
Potassium	3	9- 40					
Copper	52	10- 28					
Zinc	160	130- 200					
Manganese	0.04	0.15- 0.65					
Chromium	0.32	0.20- 0.40					
Vanadium	0.026	0.018- 0.065					
Molybdenum	0.027	0.025- 0.064					
Boron	< 0.07	0.40- 3.0					
Iodine	0.41	0.25- 1.3					
Lithium	< 0.004	0.007- 0.023					
Phosphorus	154	160- 250					
Selenium	0.56	0.95- 1.7					
Strontium	0.34	0.30- 3.5					
Sulfur	44700	44500- 52000					
Barium	0.07	0.16- 1.6					
Cobalt	0.002	0.013- 0.035					
Iron	6.8	5.4- 13					
Germanium	0.031	0.045- 0.065					
Rubidium	< 0.003	0.011- 0.12					
Zirconium	0.070	0.020- 0.44					

SPECIMEN DATA				RATIOS		
COMMENTS:				ELEMENTS	RATIOS	EXPECTED RANGE
Date Collected:	Sample Size:	0.201 g		Ca/Mg	25.1	4- 30
Date Received: 6/9/2008	Sample Type:	Head		Ca/P	3.1	0.8- 8
Date Completed: 6/14/2008	Hair Color:			Na/K	3	0.5- 10
	Treatment:			Zn/Cu	3.08	4- 20
Methodology: ICP-MS	Shampoo:			Zn/Cd	> 999	> 800

V06.99

1) What are your current symptoms and health history?

I have a history of intestinal problems. Was diagnosed with Crohn's disease (IBD) at the age of 13. Currently I'm ~30 years old and have IBS like symptoms which sometime tend a bit towards IBD.

2) Dental history (wisdom teeth removed? First root canal placed? Braces? First amalgam etc...)

I've never had any amalgam fillings.

3) What dental work do you currently have in place? What part of the dental cleanup have you completed?

Some composite fillings.

4) What dentistry did your mother have at any time before or during pregnancy?

Some amalgam fillings (5+?), before during and after pregnancy.

5) What vaccinations have you had and when (including flu and especially travel shots)?

Can't remember exactly, but I was vaccinated once before I went to Africa, and once before I went to the Caribbean.

6) Supplements and medications (including dosages) taken at time of hair test, or for the 3-6 months before the sample was taken.

Some magnesium (~150 mg / day), selenium (~200 mcg / day) and C-vit (250 mg / day).

7) Other information you feel may be relevant?

My father was a dentist, and my mother worked as a dental assistant before, during and after her pregnancy. As a teenager I worked a couple of hours every weekend cleaning my fathers dental practice (It was a way for him to give me money without spoiling me too much).

8) What is your location - city & Stockholm, Sweden.