



**InterClinical Laboratories Pty Limited**

ABN 89 076 386 475  
 PO Box 6474, Alexandria NSW 2015 Australia  
 Ph: 02 9693 2888 Fax: 02 9693 1888  
 Email lab@interclinical.com.au

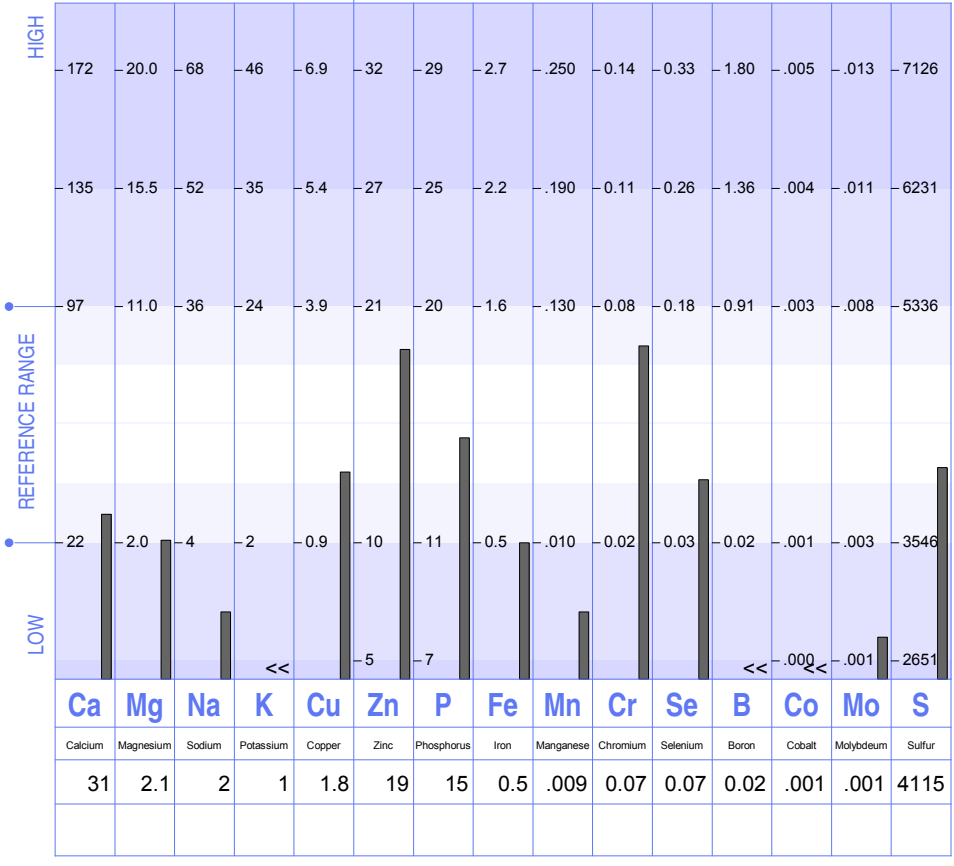
LABORATORY NO.: 1268498

PROFILE NO.: 1 SAMPLE TYPE: SCALP

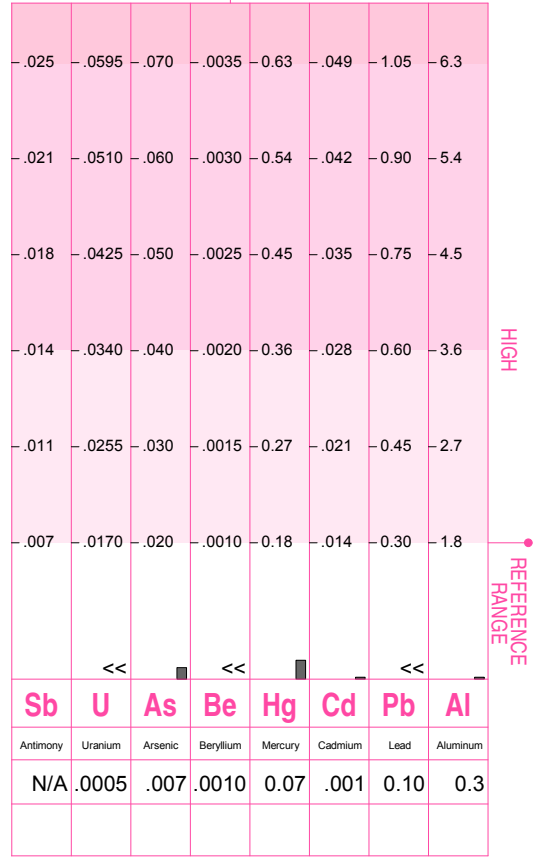
PATIENT: 54 AGE: SEX: M METABOLIC TYPE: FAST 4

REQUESTED BY: 28/08/2015 ACCOUNT NO.: DATE:

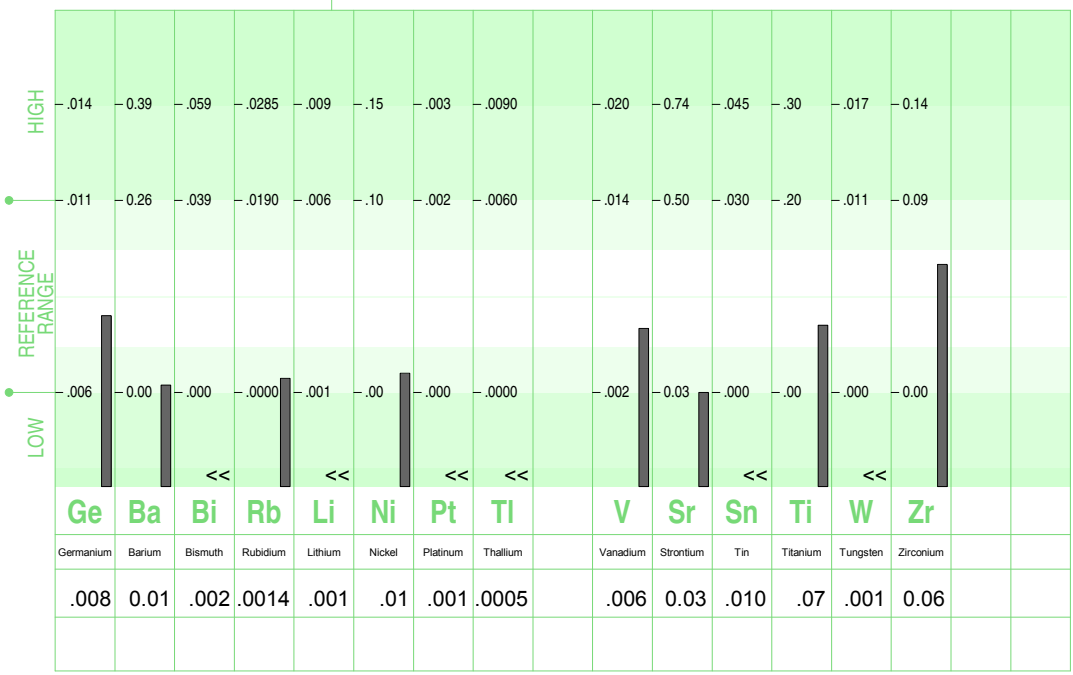
**NUTRITIONAL ELEMENTS**



**TOXIC ELEMENTS**



**ADDITIONAL ELEMENTS**



"<<": Below Calibration Limit; Value Given Is Calibration Limit

"QNS": Sample Size Was Inadequate For Analysis.

"N/A": Currently Not Available

Ideal Levels And Interpretation Have Been Based On Hair Samples Obtained From The Mid-Parietal To The Occipital Region Of The Scalp.

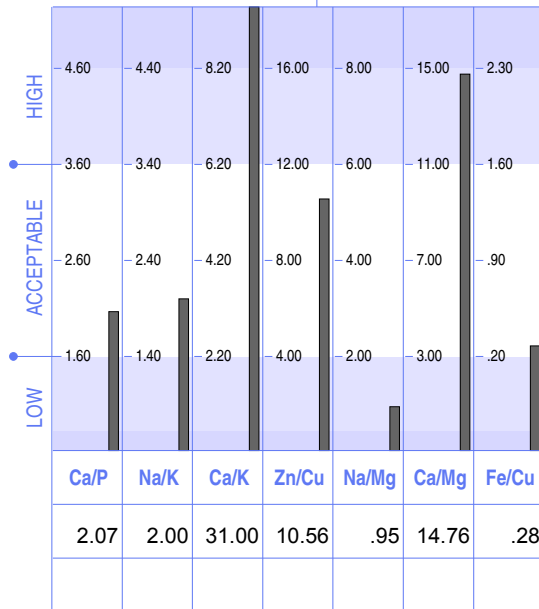
Laboratory Analysis Provided by Trace Elements, Inc., an H. S. Licensed Clinical Laboratory. No. 45 D0481787

28/08/2015  
 CURRENT TEST RESULTS

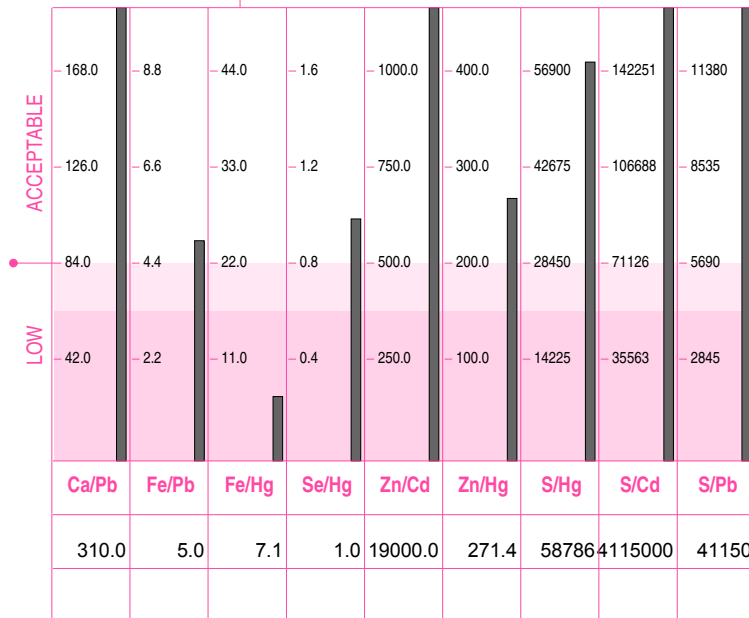
---

PREVIOUS TEST RESULTS

## SIGNIFICANT RATIOS



## TOXIC RATIOS



## ADDITIONAL RATIOS

RATIO	CALCULATED VALUE		EXPECTED
	Current	Previous	
Ca/Sr	1033.33		131/1
Cr/V	11.67		13/1
Cu/Mo	1800.00		625/1
Fe/Co	500.00		440/1
K/Co	1000.00		2000/1
K/Li	1000.00		2500/1
Mg/B	105.00		40/1
S/Cu	2286.11		1138/1
Se/Tl	140.00		37/1
Se/Sn	7.00		0.67/1
Zn/Sn	1900.00		167/1

## LEVELS

All mineral levels are reported in milligrams percent (milligrams per one-hundred grams of hair). One milligram percent (mg%) is equal to ten parts per million (ppm).

### NUTRITIONAL ELEMENTS

Extensively studied, the nutrient elements have been well defined and are considered essential for many biological functions in the human body. They play key roles in such metabolic processes as muscular activity, endocrine function, reproduction, skeletal integrity and overall development.

### TOXIC ELEMENTS

The toxic elements or "heavy metals" are well-known for their interference upon normal biochemical function. They are commonly found in the environment and therefore are present to some degree, in all biological systems. However, these metals clearly pose a concern for toxicity when accumulation occurs to excess.

### ADDITIONAL ELEMENTS

These elements are considered as possibly essential by the human body. Additional studies are being conducted to better define their requirements and amounts needed.

## RATIOS

A calculated comparison of two elements to each other is called a ratio. To calculate a ratio value, the first mineral level is divided by the second mineral level.

EXAMPLE: A sodium (Na) test level of 24 mg% divided by a potassium (K) level of 10 mg% equals a Na/K ratio of 2.4 to 1.

### SIGNIFICANT RATIOS

If the synergistic relationship (or ratio) between certain minerals in the body is disturbed, studies show that normal biological functions and metabolic activity can be adversely affected. Even at extremely low concentrations, the synergistic and/or antagonistic relationships between minerals still exist, which can indirectly affect metabolism.

### TOXIC RATIOS

It is important to note that individuals with elevated toxic levels may not always exhibit clinical symptoms associated with those particular toxic minerals. However, research has shown that toxic minerals can also produce an antagonistic effect on various essential minerals eventually leading to disturbances in their metabolic utilization.

### ADDITIONAL RATIOS

These ratios are being reported solely for the purpose of gathering research data. This information will then be used to help the attending health-care professional in evaluating their impact upon health.

## REFERENCE RANGES

Generally, reference ranges should be considered as guidelines for comparison with the reported test values. These reference ranges have been statistically established from studying an international population of "healthy" individuals.

Important Note: The reference ranges should not be considered as absolute limits for determining deficiency, toxicity or acceptance.

## **Health history for hair test 1128**

### **What are your current symptoms and health history?**

Intermittent depression, anxiety & insomnia issues for 25 years. Have used anti-depressants for extended periods. Have been off anti-depressants since September 2014. Significant cessation symptoms whilst withdrawing.

Tight, sore muscles for 10 years. Muscles (particularly rhomboids and gluteus) become sore and tight from exercise or stretching. Chronic tightness and soreness in right gluteus maximus and gluteus medius. Stiffness in right neck.

Have worn orthotics intermittently for 25 years for right foot pain. Surgery on right foot for Plantar Plate tear in July 2015. Cause of tear is unknown. Tear did not heal with 4 months of strapping and moon-boot. Left foot became sore from limping, & has remained sore for over 6 months.

Blood clot in lower right leg in February 2015. Rectal bleeding whilst taking blood thinning meds from Feb to May 2015 and after ceasing. Some rectal bleeding and a haematoma on top of right foot whilst taking blood thinning meds post foot surgery.

Lactose intolerance developed in last 2 years.

Colonoscopy in June 2015 - one polyp removed and some internal haemorrhoids found.

Recurring thrush-like infection on genitals. Partner is not affected.

Recurring skin splits at corners of fingernails and corners of mouth. Dry itchy skin

Ankles very susceptible to swelling – aggravated by some medications and supplements and by flying.

### **Dental history (Wisdom teeth removed and when? Any other extractions. First root canal placed? Braces? First amalgam etc...)**

Lower wisdom teeth removed 25 years ago. Two lower molars extracted 45 years ago. Eight amalgams placed in teens and twenties. Root canal in twenties. The corner of one amalgam broke away a few years ago.

### **What dental work do you currently have in place? What part of the dental clean-up have you completed?**

A partial lower denture is worn. Eight amalgams remain. One gold crown.

### **What dentistry did your mother have at any time before or during pregnancy?**

Nil during pregnancy. All top teeth extracted at age 15.

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

Since 2000, vaccines available on Australia's National Immunisation Program have not contained thiomersal. The only vaccines now available in Australia that contain thiomersal are those for Japanese encephalitis and Q fever.

Flu shot - May 2015

Yellow Fever – May 2012

Malarone (anti-malarial) - 2012

Vivaxim (Typhoid & Hep A) – Sep 2007

MMR – 2002

Havrix (Hep A) – 1999 / 2001

Cholera – 1982, 187/88/89, Sep 89 / Mar 90

Typhoid – 1983, 1986, 1989, 1993, 2001, 2012

Diphtheria – Tetanus – 1979, 1982, 1983, 1993, 2012

Sabin – 1979, 2002

Hep B - 1993

Tuberculin Test – 1979, 1983

BCG - 1979

Smallpox – 1979

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

At time of hair test:

Vitamin C – 2000 mg

Vitamin B6 – 100 mg

P-5-P – 50 mg

Vitamin E – 400 mg

Vitamin B12 – 1000 micro g

Chromium – 200 micro g

Vitamin A – 5000 IU

Selenium – 100 micro g

Vitamin D3 – 4000 IU

SAMe – 400 mg

Boron – 6 mg

Zinc – 50 mg

Magnesium – 400 mg

Recent:

Xarelto (blood thinner) from Feb to May 2015.

Clexane (blood thinner) from 27 July 2015 to 12 Aug 2015.

Various painkillers taken post surgery from 27 July 2015 to present.

**What is your age, height and weight?**

55 years, 182 centimetres, 80 kilograms.

**Other information you feel may be relevant?**

**What is your location – city & country (so that we can learn where certain toxins are more prevalent).**

Born Dalby, Queensland, Australia. Grew up on farm, rain water used for drinking and cooking. Have lived in Melbourne, Perth, Wagga Wagga, Sydney. Have lived in Canberra, Australia for last 20 years.