



4855 Peachtree Industrial Blvd.
Norcross, GA 30092
770.446.5483 Fax:770.441.2237

Ordering Physician:

209991 - 228485

Metamatrix Research Account

4855 Peachtree Industrial Blvd.

Suite 201

Norcross, GA 30092

Accession Number: **A0703290018**

Reference Number:

Patient:

Sample Report

Age: 57

Sex: F

Date of Birth:

12/25/1949

Date Collected:

3/29/07

Date Received:

3/29/07

Report Date:

3/29/07

Telephone:

7704465483

Fax:

7704412237

Reprinted:

4/18/07

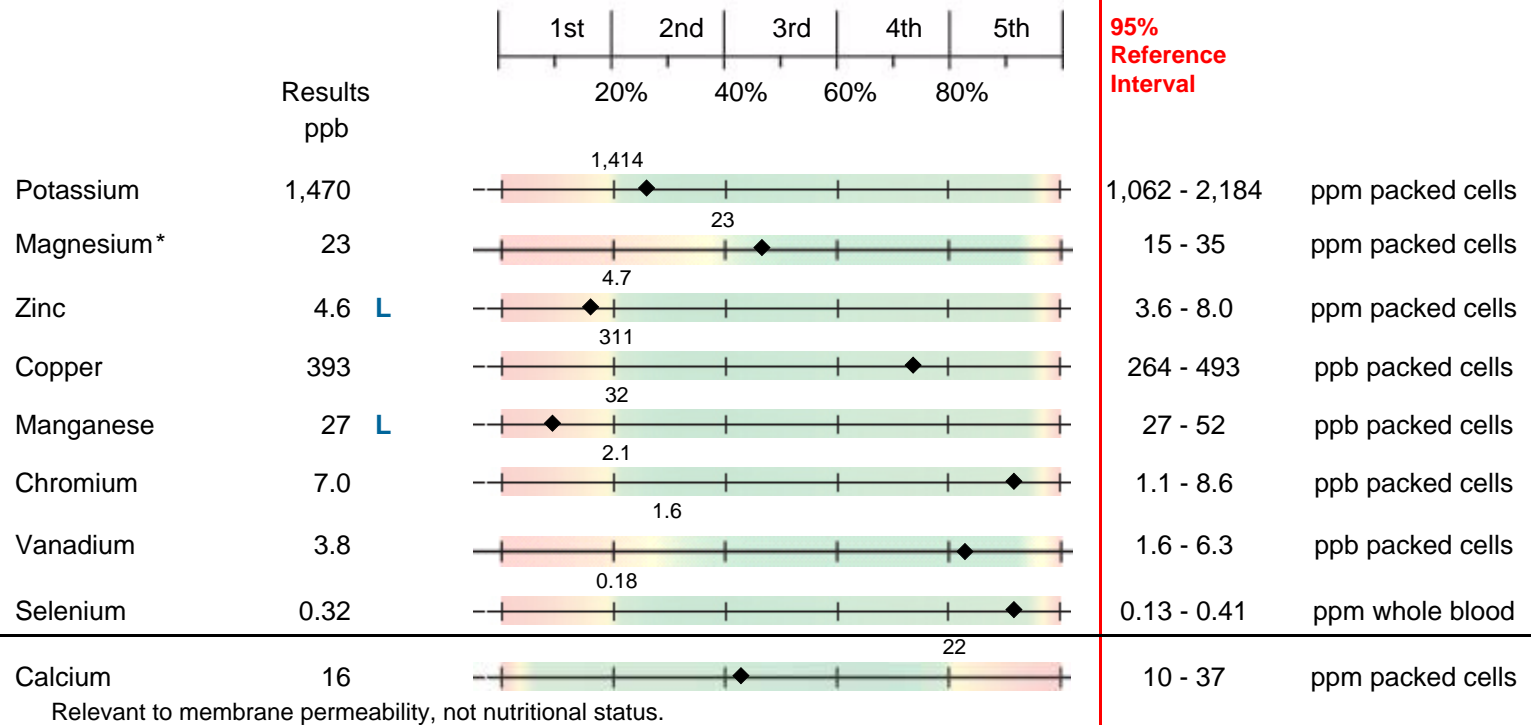
Comment:

0022 Element Analysis - Erythrocytes and Whole Blood

Methodology: Inductively Coupled Plasma/Mass Spectroscopy

Nutrient Elements

Percentile Ranking by Quintile



Relevant to membrane permeability, not nutritional status.

*The expanded abnormal range approximates the population at risk for magnesium insufficiency disorders. See: Johnson S, Med Hypotheses. Feb 2001;56(2):163-170.

These test results are not for the diagnosis of disease. They are intended to provide nutritional guidelines to qualified healthcare professionals with full knowledge of patient history and concerns to assist in their design of an appropriate healthcare program.



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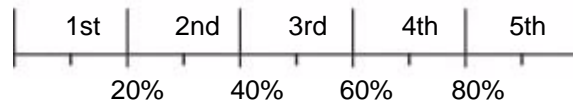
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Toxic Elements

Percentile Ranking by Quintile



Element	Results (ppb)	Percentile Ranking	99% Reference Interval
Aluminum	38	46	<= 170
Arsenic	3	5	<= 17
Cadmium	0.5	0.7	<= 2.3
Lead	6	20	<= 60
Mercury	< 0.78	4	<= 15

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Results for whole blood toxic elements that are within normal limits do not rule out metal accumulation in other tissues. This can be evaluated by urinary porphyrin or 24-hour urine chelation challenge tests.

Lead Levels Considered Elevated in Adults(1)

- ◆ At levels above 800 ppb, serious, permanent health damage may occur (extremely dangerous).
- ◆ Between 400 and 800 ppb, serious health damage may be occurring, even if there are no symptoms (seriously elevated).
- ◆ Between 250 and 400 ppb, regular exposure is occurring. There is some evidence of potential physiological problems (elevated).
- ◆ Between 100 and 250 ppb, lead is building up in the body and exposure is occurring.

(1)Lead Exposure in Adults. A Guide for Health Care Providers, State of New York, Department of Public Health.

In children, lead levels even below 100 ppb are associated with IQ deficits.(2)

(2) Lanphear BP, Hornung R, Khoury J, et al. Low-level environmental lead exposure and children's intellectual function: an international pooled analysis. *Environ Health Perspect.* Jul 2005;113(7):894-899.

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