



3812170

BIOCHEMISTRY

BLOOD - SERUM	Result	Range	Units
25 OH VITAMIN D	132	50 - 250	nmol/L
Vitamin D Comment			



The Working Group of the Australian and New Zealand Bone and Mineral Society, Endocrine Society of Australia and Osteoporosis Australia have recommended that the Vitamin D level should be greater than 50 nmol/L.

Recommended Target Range:	125 - 200	nmol/l
Deficient Level:	< 50	nmol/l
Insufficient Level:	50 - 74	nmol/l
Sufficient Level:	75 - 250	nmol/l
Excessive Level:	> 250	nmol/l

COMMENT:

25-hydroxy Vitamin represents the body's stores/reserves level. Where levels are deemed sub-optimal, consider assessing 1-25-dihydroxy Vitamin D3 (the active form of the molecule). This may be tested off the existing specimen at the laboratory within 7 days. If you wish to proceed with this test, please forward a new request form for this patient.

BLOOD - PLASMA

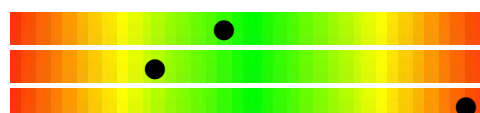
HOMOCYSTEINE

6.2 **5.0 - 12.0** umol/L



INTEGRATIVE MEDICINE

BLOOD - SERUM	Result	Range	Units
Free Copper Index			
COPPER	15.0	11.0 - 22.0	umol/L
CAERULOPLASMIN	0.22	0.18 - 0.40	g/L
% Free Copper	30 *H	5 - 25	%



(*) Result outside normal reference range

(H) Result is above upper limit of reference range



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10-Sep-1987 **Female**

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LAB ID : 3812170
UR NO. : 6604382
Collection Date : 27-Apr-2022
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Integrative Medicine Comments

Plasma Copper Reference Ranges (Additional):

Female on Contraceptives: 20.8 - 34.8 umol/L

ELEVATED Cu/Zn RATIO:

The ratio of copper to zinc is clinically more important than the individual levels of each analyte.

Elevated copper/Zinc ratios can be particularly serious for persons with low blood histamine (over methylation). This combination of imbalances has been associated with anxiety, panic disorders, paranoia and hallucinations.

ELEVATED FREE COPPER:

Consider chelation therapy, Vit C, Zinc, Molybdenum, Glutamine, Histidine and threonine.

Optimal free Copper of 5-25% is recommended by Dr B Walsh.

Retesting Zinc and Copper levels after 3 months of treatment is recommended.

Signs of Cu overload include hyperactivity, skin sensitivity to metals. Skin tags, estrogen dominance, emotional meltdowns, tinnitus, abnormal periods.

HISTAMINE

28.0 28.0 - 51.0 ug/L



Histamine Comment

Whole Blood Histamine level is within range.

BLOOD - NA HEP

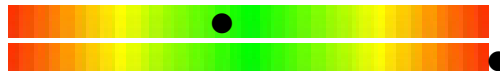
ZINC

12.9 9.0 - 19.0 umol/L



Copper/Zinc Ratio

1.16 *H 0.80 - 1.00 RATIO



Tests ordered: CFee,Cu/Zn,FCuInd,HIAM,HOMO,IMPEI,PfeifeeB,VITD,ZN

(*) Result outside normal reference range

(H) Result is above upper limit of reference range