



LEONIE GOLDEN  
25-Sep-1967 Female

20 SUTHERLAND STREET  
DICKY BEACH QLD 4551

P: 1300 688 522  
E: info@nutripath.com.au

-AMY KELLY  
16 NOELINE STREET  
ASHGROVE QLD 4060

LAB ID : 4024665  
UR NO. : 6304306  
Collection Date : 12-Sep-2024  
Received Date: 17-Sep-2024



4024665

BIOCHEMISTRY

BLOOD - SERUM	Result	Range	Units	
25 OH Vitamin D	50	50 - 200	nmol/L	

Vitamins Comment

VITAMIN D COMMENT:  
Levels above 75 nmol/L may be desirable in people with osteoporosis or falls.  
25-hydroxy Vitamin D represents the body's stores/reserves level.

Vitamin D Deficiency Interpretation:  
Mild: 30-49 nmol/l  
Moderate: 12.5-29 nmol/l  
Severe: <12.5 nmol/l

BLOOD - PLASMA	Result	Range	Units	
Homocysteine	8.3	5.0 - 15.0	umol/L	

INTEGRATIVE MEDICINE

BLOOD - SERUM	Result	Range	Units	
Free Copper Index				
COPPER	20.6	13.0 - 22.0	umol/L	
CAERULOPLASMIN	0.27	0.16 - 0.45	g/L	
% Free Copper	38 *H	5 - 25	%	

Integrative Medicine Comments

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.

BLOOD - PLASMA	Result	Range	Units	
S-Adenosyl Methionine	109.5	86.0 - 145.0	nmol/L	
S-Adenosyl Homocysteine	13.0	10.0 - 22.0	nmol/L	
SAM/SAH Ratio	8.4	> 4.0	RATIO	

(\*) Result outside normal reference range (H) Result is above upper limit of reference range



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INTEGRATIVE MEDICINE

BLOOD - Li HEPA	Result	Range	Units	
HISTAMINE	41.0	5.0 - 60.0	ng/mL	
Histamine Comment	Whole Blood Histamine level is within range.			

BLOOD - NA HEP				
ZINC	13.4	9.0 - 19.0	umol/L	
Copper/Zinc Ratio	1.53 *H	0.80 - 1.00	RATIO	

SPECIMEN RECEPTION

BLOOD - SERUM	Result	Range	Units	
Test Verification	PLEASE NOTE: The results for this episode that are out of range have been verified through repeat testing of the specimen.			

Tests ordered: CFee,Cu/Zn,FCuInd,GOG59,HIAM,HOMO,IMPEI,Pfeifee-C,SAHe,SAM/SAH,SAMe,VITD,ZN,VERIF

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