

Patient Name	:		Bill Date	:	
DOB/Age/Gender	:		Sample Collected	:	
Patient ID / UHID	:		Sample Received	:	
Referred By	:		Report Date	:	
Sample Type	:		Report Status	:	
Barcode No	:				

Test Description	Value(s)	Unit(s)	Reference Range
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BIOCHEMISTRY REPORT

Copper, 24 Hrs Urine

Copper, Urine by ICPMS	55.78	µg/L	2.00 - 80.00
Urine volume in 24 hours	1500	mL/day	800.00 - 1400.00
Urinary copper level in 24 hours	83.67	µg/24 hrs	3.00 - 50.00

Interpretation:

Note :

1. Inductively Coupled Plasma Mass Spectrometry (ICPMS) is used to determine the level of heavy / trace metals in biological tissues
2. Urine assay is useful in diagnosing / assessing treatment for Wilson's disease

Comments

Copper is the third most abundant trace element in the human body required for enzymatic reactions. Dietary sources of copper are liver, shell fish, chocolate, nuts and seeds. Copper pipes or vessels do not increase the copper content of water unless exposed to acids. Smoking, strenuous exercise, infections and injuries increase the body's need for copper. Ceruloplasmin, a copper containing protein is a useful indicator of copper status.

Increased Levels

Wilson's disease , Chronic active hepatitis, Biliary cirrhosis, Rheumatoid arthritis & proteinuria

Decreased Levels

Protein malnutrition



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Processing Lab :- Redcliffe Lifetech Pvt. Ltd., H-55, Sector-63, Noida, Uttar Pradesh - 201301

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