

Client
Gurugram
Pathkind Diagnostics Pvt. Ltd.
Plot No. 55-56, Udhog Vihar Ph-IV, Gurugram - 122015

Processed By
Pathkind Diagnostics Pvt. Ltd.
Plot No. 55-56, Udhog Vihar Ph-IV, Gurugram - 122015

Name : Mr. BC312	Billing Date : 07/07/2023 12:13:03
Age : 35 Yrs	Sample Collected on : 10/07/2023 10:01:31
Sex : Male	Sample Received on : 10/07/2023 11:02:13
P. ID No. : P1000100012427	Report Released on : 10/07/2023 15:36:04
Accession No : 10002304483	Barcode No. : 10002304483
Referring Doctor : Self	Ref no. :
Referred By :	

Report Status - Final

Test Name	Result	Biological Ref. Interval	Unit
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BIOCHEMISTRY

# Zinc Sample: Serum Method: ICPMS	800.00	150.00 - 1200.00	µg/L
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Zinc

Zinc Serum Interpretation	Associated Conditions
Zinc in vital trace element required for normal healing of wounds and normal immune function. Zinc levels lowered with systemic infections & inflammatory disorders, oral contraceptives and pregnancy.	Zinc deficiency - Symptoms include depressed growth, teratogenesis, poor carbohydrate metabolism, altered Cognition, poor immune function, alopecia, impotence, eye and skin lesions, and diarrhoea.
Zinc exposure can occur from-Occupational exposure related to mining and metallurgic industries. Use of commercial products containing zinc (e.g. Zinc containing shampoos, Multivitamins)	Zinc excess is not of major clinical concern, however elevated zinc concentrations may interfere with copper absorption.

- Whole blood / serum metal testing is used for the detection of recent exposure or poisoning with the toxic element. However, blood metal levels in healthy subjects can vary considerably with exposure to the particular metal present in the diet and in the environment.
- It should be noted that low or within acceptable levels in blood / serum do not always exclude that the element is uninvolved in contributing to the patient's symptoms because certain elements may be sequestered in tissues.
- Lower metal levels in patients on follow-up imply that the toxic element exposure is reduced in the patient's immediate environment or that the body has efficiently eliminated the toxic element.

Reference -

- Sample collection guidelines for the trace elements in blood and urine. International union of pure and applied chemistry clinical chemistry division commission on toxicology working party. Pure & Appl. Chem., Vol. 67, Nos 8/9, pp. 1575-1608, 1995.
- Nutrient & toxic elements interpretative guide, metamatrix, USA, 2011.

** End of Report**



Dr. Daipayan Ghosh

Scientist

The Test/s marked with (#) is are not accredited by NABL

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जांच सही तो इलाज सही

