

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. BC308	Billing Date	: 07/07/2023 12:12:57
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.	: P1000100012422	Report Released on	: 10/07/2023 15:32:49
Accession No	: 10002304478	Barcode No.	: 10002304478
Referring Doctor	: Self		
Referred By	:	Ref no.	:

Report Status - Final

Test Name	Result	Biological Ref. Interval	Unit
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BIOCHEMISTRY
Selenium

Sample: Serum

Method: ICPMS

60.00

23.00 - 190.00

µg/L

Selenium

Selenium Serum Interpretation	Associated Conditions
Selenium is vital trace element with Fish and shellfish making up as most important sources followed by meat & grains. Selenium is an antioxidant building block, which in turn are essential to neutralize free radicals in the body, thereby reducing or preventing cell membranes and DNA damage. Selenium poisoning of water systems may result whenever new agricultural runoff courses through normally dry, undeveloped lands.	* Selenium deficiency occurs as a result of sustained Total parental nutrition or restricted diets - affects physiologic systems, including endocrine and reproductive, hepatic, cardiovascular, immunological, gastrointestinal and musculoskeletal systems. * Selenium toxicity, called selenosis is rare in humans. Symptoms include garlic breath odour, thick brittle fingernails, dry brittle hair, red swollen skin of the hands and feet and neurological complaints including numbness, convulsions or paralysis.

- 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

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

NATIONAL REFERENCE LAB
PATHKIND DIAGNOSTICS PVT. LTD.

Plot No. 55-56, Udyog Vihar, Phase-4, Gurugram

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Customer Care: 75000-75111

10002304478 Mr. BC308

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जांच सही तो इलाज सही



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division commission on toxicology working party. Pure & Appl. Chem., Vol. 67, Nos 8/9, pp. 1575-1608, 1995.
2. Nutrient & toxic elements interpretative guide, metamatrix, USA, 2011.

** End of Report **



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