

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. BC289	Billing Date : 07/07/2023 12:11:58
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. : P1000100012403	Report Released on : 08/07/2023 14:47:48
Accession No : 10002304459	Barcode No. : 10002304459
Referring Doctor : Self	Ref no. :
Referred By :	

Report Status - Final

Test Name	Result	Biological Ref. Interval	Unit
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BIOCHEMISTRY

# Nickel <i>Sample: Serum</i>	0.25	0.14 - 1.00	ug/L
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Nickel

Nickel Serum Interpretation	Associated Conditions
Nickel exposure can occur from-Occupational exposure in industries like glass, ceramics and fabric dyes. Other sources are like foods cooked in stainless steel cookware, nickel jewellery, canned foods, oatmeal, dried fruits, dried peas and beans, nuts chocolate. Patients undergoing dialysis are exposed to nickel and accumulate nickel in blood and other organs.	Most reactions to nickel are localized skin sensitivity and allergic skin disorders that occur on contact with nickel-containing alloys. Chronic exposure to some forms of nickel via inhalation often leads to mucosal tissue irritation associated with asthma, rhinitis, sinusitis & rarely may have carcinogenic effect.

- 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**

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

