Client

Gurugram

Pathkind Diagnostics Pvt. Ltd.

Plot No. 55-56, Udhyog Vihar Ph-IV, Gurugram - 122015

Processed By

Pathkind Diagnostics Pvt. Ltd.

Plot No. 55-56, Udhyog Vihar Ph-IV, Gurugram - 122015

Name	:	**Mr. BC278**	Billing Date	:	07/07/2023 12:11:38
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.	:	P1000100012391	Report Released on	:	08/07/2023 14:45:24
Accession No	:	**10002304447**	Barcode No.	:	10002304447
Referring Doctor	:	Self			
Referred By	:		Ref no.	:	

Report Status - Final

Test Name	Result	Biological Ref. Interval	Unit
	BIOCHEMISTRY		
# Chromium, WB EDTA *Sample: Whole Blood EDTA* *Method: ICPMS*	8.0	0.7 - 28.0	µg/L

Chromium, WB EDTA

Arsenic Interpretation	Associated Conditions
Chromium is a naturally occurring element in rocks, animals, plants, soil, and volcanic dust and gases. Thus the general population is exposed to chromium (generally chromium [III]) through food, drinking water and inhaling air containing the chemical. Chromium (III) is esential to normal glucose, protein and fat metabolism and is thus an essential dietary elements. Our body has several detoxification systems for reducing chromium (VI) to chromium (III). Excess Chromium exposure may occcur commonly in industrial processes like manufacture of cars, glass, pottery and linoleum which involves air emissions of chromium in the form of small particles or aerosols.	Overexposure to chromium may cause gatrointestinal symptoms such as diarrhoea and vomitting, severe water-electrolyte disorders, increased blood acidity and body tissues (acidosis). Lesions on the kidneys, liver and muscular layer of the heart (myocardium) may also develop. Carcinogenic effects causing lung, respiratory & renal cancers.

1. 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.
2. 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.
3. 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 vody has effeciently eliminated the toxic element.

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

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Customer Care: 75000-75111

Pathkind Labs

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Test Name	Result	Biological Ref. Interval	Unit

Reference -

1. 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.
2. Nutrient & toxic elements interpretative guide, metamatrix, USA, 2011.

** End of Report**

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